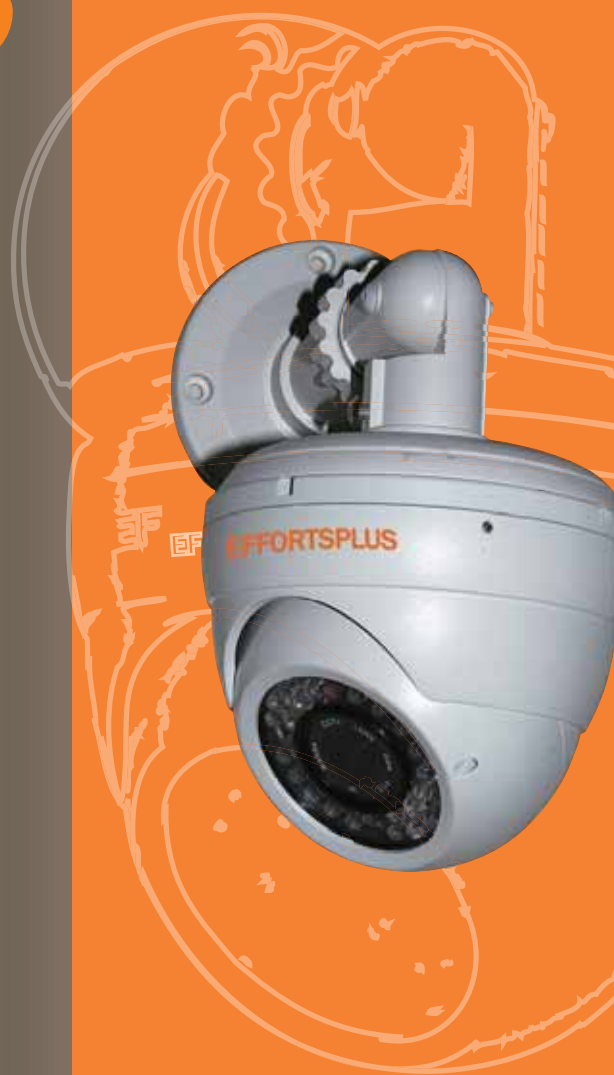




*EFFORTS***PLUS**

Product Catalogue 2010 *Analog Cameras*



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Product Overview - Weatherproof Cameras



CW1905 Series



**CW1736B/ CW1736C/
CW1736D Series**



**CW1734B/ CW1734C/
CW1734D Series**



**CW1734E/ CW1734F/
CW1734G Series**



**CW1733E/ CW1733F/
CW1733H Series**



**CW1732H/ CW1732J
Series**



CW1707 Series



CW1198 Series



CW1196 Series



CW1192 Series



CW1190 Series



CW1188 Series



CW1186 Series



CW1184 Series



CW1182 Series



CW1172 Series



CW1169 Series



CW1168 Series



CW1166 Series



CW1162 Series



CW1161 Series



CW1160 Series



CW1157L Series



CW1155 Series



CW1155A Series



CW1155L Series



CW1154 Series



CW1154A Series



CW1153 Series



CW1144 Series



CW1142 Series



CW1141 Series



CW1140 Series



CW1135 Series



CW1135A Series



CW1135L Series



CW1134 Series



CW1133 Series



CW1132 Series



CW1124 Series



CW1123 Series



CW1122 Series



CW1120 Series



CW1096-SCX



CW1089 Series



CW1083 Series



CW1067 Series



CW1066 Series



CW1065 Series



CW1064 Series



CW1063 Series



CW1062 Series



CW1061 Series



CW1058 Series



CW1057 Series



CW1053 Series



CW1052 Series



CW1051 Series



CW1046 Series



CW1045 Series



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CW1044 Series



CW1041 Series



CW1040 Series



CW1039 Series



CW1037 Series



CW1036 Series



CW1025 Series



CW1018 Series



CW1015 Series

Product Overview – Vandal-proof Cameras



CV3132 Series



CV3131 Series



CV3130 Series



CV3127 Series



CV3125 Series



CV3124 Series



CV3123 Series



CV3122 Series



CV3121 Series



CV3120 Series



CV3116 Series



CV3116 IR-Series



CV3106 Series



CV3105 Series

Product Overview - Dome Cameras



CD2159 Series



CD2151 Series



CD2148 Series



CD2143 Series



CD2140 Series



CD2136 Series



CD2135 Series

Product Overview - Box Cameras



CF1598-SCU



CF1592-SCU1



CF1135 Series



CF1133 Series



CF1132-SCH



CF1131 Series

Product Overview – All-in-One Cameras



CA1004 Series



CA1003 Series



CA1001 Series

Weatherproof Day & Night IR Camera

CW1905 Series



Specifications			
Models	CW1905-NCS	CW1905-SCC	CW1905-HAC
Image Device	1/3" SONY CCD	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL	420TVL	420TVL
Minimum Illumination	0Lux (IR On)	0Lux (IR On)	0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto White Balance (AWB)	Auto		
Auto Gain Control (AGC)	Auto		
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec		
Lens Type	3.6mm (Optional: 6mm)		
IR LED	Φ 5 x 24pcs		
IR Effective Range	Max. 20m		
Housing	White Color, 3-Axis Bracket, Cable through bracket design		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	450mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	205mm (L) x 80mm (W) x 75mm (H)		
Weight	800g		
Supplied Accessories	Bracket included		

Specifications are subject to change without prior notice.

Weatherproof Vari-focal Day & Night Cameras with IR Cut Filter

CW1736B/ CW1736C/ CW1736D Series



Specifications			
Models	CW1736B-NCX CW1736C-NCX CW1736D-NCX	CW1736B-RCM CW1736C-RCM CW1736D-RCM	CW1736B-NCC CW1736C-NCC CW1736D-NCC
Image Device	1/3" Hi-Resolution SONY CCD	1/3" Super Sensitivity CCD	1/3" Sony CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 537 (H) x 597 (V) NTSC: 537 (H) x 505 (V)
Signal System	PAL/ NTSC		
Scanning System	2:1 interlace		
Horizontal Resolution	520TVL	480TVL	420TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥50dB		≥48dB
Video Output	1.0Vp-p/ 75Ω		
Vertical Frequency	PAL: 50Hz; NTSC: 60Hz		
Horizontal Frequency	PAL: 15.625KHz; NTSC: 15.734KHz		
Clock Frequency	PAL: 28.375MHz; NTSC: 28.636MHz		
Day/ Night Function	Yes		
Gamma Correction	0.45		
Auto Gain Control (AGC)	On		
Back Light Compensation (BLC)	On		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) – 1/100000 sec		
Lens Type	2.8-11mm Vari-focal Auto Iris Lens (CW1736B series) 9-22mm Vari-focal Auto Iris Lens (CW1736C series) 6-50mm Vari-focal Auto Iris Lens (CW1736D series)		
IR LED	190pcs		
IR Effective Range	Max. 30m (CW1736B series) Max. 75m (CW1736C series) Max. 80m (CW1736D series)		
Filter	Removable IR Cut Filter		



Specifications			
Models	CW1736B-NCX CW1736C-NCX CW1736D-NCX	CW1736B-RCM CW1736C-RCM CW1736D-RCM	CW1736B-NCC CW1736C-NCC CW1736D-NCC
Housing	Weatherproof, Black color, Cable Through Bracket Design		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	1600mA		
Storage Temperature	-30°C ~ +60°C		
Operating Temperature	-30°C ~ +40°C		
Dimensions	340mm (L) x 278mm (W) x 200mm (H)		
Weight	2750g		
Packing	6pcs/ ctn, 18kgs, 630mm x 375mm x 700mm		

Specifications are subject to change without prior notice.

Weatherproof Vari-focal Lens IR Day & Night Cameras with IR Cut Filter

CW1734B/ CW1734C/ CW1734D Series



Specifications

Models	CW1734B-NCX CW1734C-NCX CW1734D-NCX	CW1734B-RCM CW1734C-RCM CW1734D-RCM	CW1734B-NCC CW1734C-NCC CW1734D-NCC
Image Device	1/3" Hi-Resolution SONY CCD	1/3" Super Sensitivity CCD	1/3" Sony CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 537 (H) x 597 (V) NTSC: 537 (H) x 505 (V)
Signal System	PAL/ NTSC		
Scanning System	2:1 interlace		
Horizontal Resolution	520TVL	480TVL	420TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥50dB		≥48dB
Video Output	1.0Vp-p/75Ω		
Vertical Frequency	PAL: 50Hz; NTSC: 60Hz		
Horizontal Frequency	PAL: 15.625KHz; NTSC: 15.734KHz		
Clock Frequency	PAL: 28.375MHz; NTSC: 28.636MHz		
Day/ Night Function	Yes		
Gamma Correction	0.45		
Auto Gain Control (AGC)	On		
Back Light Compensation (BLC)	On		
White Balance	Auto		
Electronic Shutter	1/50(1/60) – 1/100000 sec		
Lens Type	2.8-11mm Vari-focal Auto Iris Lens (CW1734B series) 9-22mm Vari-focal Auto Iris Lens (CW1734C series) 6-50mm Vari-focal Auto Iris Lens (CW1734D series)		
IR LED	80pcs		
IR Effective Range	Max. 25m (CW1734B series) Max. 55m (CW1734C series) Max. 60m (CW1734D series)		
Filter	Removable IR Cut Filter		



Specifications			
Models	CW1734B-NCX CW1734C-NCX CW1734D-NCX	CW1734B-RCM CW1734C-RCM CW1734D-RCM	CW1734B-NCC CW1734C-NCC CW1734D-NCC
Housing	Weatherproof, Black color, Cable Through Bracket Design		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	Max. 650mA		
Storage Temperature	-30°C ~ +60°C		
Operating Temperature	-30°C ~ +40°C		
Dimensions	330mm (L) x 196mm (W) x 124mm (H)		
Weight	1700g		
Packing	6pcs/ ctn, 13.2kgs, 470mm x 365mm x 495mm		

Specifications are subject to change without prior notice.

Weatherproof Board/ Vari-focal Lens IR Day & Night Cameras

CW1734E/ CW1734F/ CW1734G Series



Specifications				
Models	CW1734E-NCX CW1734F-NCX CW1734G-NCX	CW1734E-NCX1 CW1734F-NCX1 CW1734G-NCX1	CW1734E-RCM1 CW1734F-RCM1 CW1734G-RCM1	CW1734E-NCC1 CW1734F-NCC1 CW1734G-NCC1
Image Device	1/3" Hi-Resolution SONY CCD		1/3" Super Sensitivity CCD	1/3" SONY CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)			PAL: 537(H) x 597(V) NTSC: 537(H) x 505(V)
Signal System	PAL/ NTSC			
Scanning System	2:1 interlace			
Horizontal Resolution	520TVL		480TVL	420TVL
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥50dB			≥48dB
Video Output	1.0Vp-p/75Ω			
Vertical Frequency	PAL: 50Hz; NTSC: 60Hz			
Horizontal Frequency	PAL: 15.625KHz; NTSC: 15.734KHz			
Clock Frequency	PAL: 28.375MHz; NTSC: 28.636MHz			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	On			
Back Light Compensation (BLC)	On			
White Balance	Auto			
Electronic Shutter	1/50(1/60) – 1/100000 sec			
Lens Type	3.5-8mm Vari-focal Lens (CW1734E series) 8mm Lens (CW1734F series) 16mm Lens (CW1734G series)			
IR LED	80pcs			
IR Effective Range	Max. 35m (CW1734E series) Max. 55m (CW1734F series) Max. 80m (CW1734G series)			



Specifications

Models	CW1734E-NCX CW1734F-NCX CW1734G-NCX	CW1734E-NCX1 CW1734F-NCX1 CW1734G-NCX1	CW1734E-RCM1 CW1734F-RCM1 CW1734G-RCM1	CW1734E-NCC1 CW1734F-NCC1 CW1734G-NCC1	
Filter	Removable IR Cut Filter	Three Layers Crystal Filter	Double Layers Crystal Filter		
Housing	Weatherproof, Black color, Cable Through Bracket Design				
Degree of Protection	IP66				
Power Supply	12VDC				
Power Consumption	Max. 610mA				
Storage Temperature	-30°C ~ +60°C				
Operating Temperature	-30°C ~ +40°C				
Dimensions	330mm (L) x 196mm (W) x 124mm (H)				
Weight	1700g				
Packing	6pcs/ ctn, 13.2kgs, 470mm x 365mm x 495mm				

Specifications are subject to change without prior notice.

Weatherproof Board/ Vari-focal Lens IR Day & Night Cameras

CW1733E/ CW1733F/ CW1733H Series



Specifications

Models	CW1733E-NCX CW1733F-NCX CW1733H-NCX	CW1733E-NCX1 CW1733F-NCX1 CW1733H-NCX1	CW1733E-RCM1 CW1733F-RCM1 CW1733H-RCM1	CW1733E-NCC1 CW1733F-NCC1 CW1733H-NCC1
Image Device	1/3" Hi-Resolution SONY CCD		1/3" Super Sensitivity CCD	1/3" SONY CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)			PAL: 537(H) x 597(V) NTSC: 537(H) x 505(V)
Signal System	PAL/ NTSC			
Scanning System	2:1 interlace			
Horizontal Resolution	520TVL		480TVL	420TVL
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥50dB			≥48dB
Video Output	1.0Vp-p/75Ω			
Vertical Frequency	PAL: 50Hz; NTSC: 60Hz			
Horizontal Frequency	PAL: 15.625KHz; NTSC: 15.734KHz			
Clock Frequency	PAL: 28.375MHz; NTSC: 28.636MHz			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	On			
Back Light Compensation (BLC)	On			
White Balance	Auto			
Electronic Shutter	1/50(1/60) – 1/100000 sec			
Lens Type	3.5-8mm Vari-focal Lens (CW1733E series) 8mm Lens (CW1733F series) 6mm Lens (CW1733H series)			
IR LED	54pcs			
IR Effective Range	Max. 35m (CW1733E series) Max. 50m (CW1733F series) Max. 40m (CW1733H series)			



Specifications

Models	CW1733E-NCX CW1733F-NCX CW1733H-NCX	CW1733E-NCX1 CW1733F-NCX1 CW1733H-NCX1	CW1733E-RCM1 CW1733F-RCM1 CW1733H-RCM1	CW1733E-NCC1 CW1733F-NCC1 CW1733H-NCC1	
Filter	Removable IR Cut Filter	Three Layers Crystal Filter	Double Layers Crystal Filter		
Housing	Weatherproof, Black color, Cable Through Bracket Design				
Degree of Protection	IP66				
Power Supply	12VDC				
Power Consumption	Max. 450Ma				
Storage Temperature	-30°C ~ +60°C				
Operating Temperature	-30°C ~ +40°C				
Dimensions	275mm (L) x 187mm (W) x 108mm (H)				
Weight	1150g				
Packing	12pcs/ ctn, 16kgs, 620mm x 450mm x 435mm				

Specifications are subject to change without prior notice.

Weatherproof IR Day & Night Cameras

CW1732H/ CW1732J Series



Specifications

Models	CW1732H-NCX1 CW1732J-NCX1	CW1732H-RCM1 CW1732J-RCM1	CW1732H-NCC1 CW1732J-NCC1
Image Device	1/3" Hi-Resolution SONY CCD	1/3" Super Sensitivity CCD	1/3" Sony CCD
Effective Pixels	PAL: 795 (H) x 596 (V)		PAL: 537 (H) x 597 (V)
	NTSC: 811 (H) x 508 (V)		NTSC: 537 (H) x 505 (V)
Signal System	PAL/ NTSC		
Scanning System	2:1 interlace		
Horizontal Resolution	520TVL	480TVL	420TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥50dB		≥48dB
Video Output	1.0Vp-p/ 75Ω		
Vertical Frequency	PAL: 50Hz; NTSC: 60Hz		
Horizontal Frequency	PAL: 15.625KHz; NTSC: 15.734KHz		
Clock Frequency	PAL: 28.375MHz; NTSC: 28.636MHz		
Day/ Night Function	Yes		
Gamma Correction	0.45		
Auto Gain Control (AGC)	On		
Back Light Compensation (BLC)	On		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) – 1/100000 sec		
Lens Type	6mm Lens (CW1732H series)		
	3.6mm Lens (CW1732J series)		
IR LED	30pcs		
IR Effective Range	Max. 28m (CW1732H series)		
	Max. 18m (CW1732J series)		
Filter	Three Layers Crystal Filter	Double Layers Crystal Filter	
Housing	Weatherproof, Black color, Cable Through Bracket Design		
Degree of Protection	IP66		
Power Supply	12VDC		



Specifications			
Models	CW1732H-NCX1 CW1732J-NCX1	CW1732H-RCM1 CW1732J-RCM1	CW1732H-NCC1 CW1732J-NCC1
Power Consumption	Max. 300mA		
Storage Temperature	-30°C ~ +60°C		
Operating Temperature	-30°C ~ +40°C		
Dimensions	180mm (L) x 130mm (W) x 90mm (H)		
Weight	750g		
Packing	16pcs/ ctn, 13.5kgs, 450mm x 350mm x 520mm		

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cannon Cameras

CW1707 Series



Specifications		
Models	CW1707-SCX	CW1707-SCH
Image Device	1/3" SONY CCD	1/3" SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	520TVL	500TVL
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	16mm Fixed Iris Lens	
IR LED	30pcs + 30pcs	
IR Effective Range	Max. 60m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	235mm (L) x 230mm (W) x 225mm (H)	
Weight	3.6kg	
Supplied Accessories	Bracket included (hidden cable design)	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1198 Series



Specifications				
Models	CW1198-NCS	CW1198-NCM	CW1198-SCC	CW1198-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Auto Gain Control (AGC)	Auto			
Wavelength	850nm			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	6mm			
IR LED	Φ 5 x 48pcs			
IR Effective Range	Max. 40m			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	600mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	83mm (L) x 83m (W) x 124mm (H)			
Weight	900g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1196 Series



Specifications				
Models	CW1196-NCS	CW1196-NCM	CW1196-SCC	CW1196-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL:795 (H) x 596 (V)	PAL:752 (H) x 582 (V)	PAL: 500 (H) x 582 (V)	
	NTSC:811(H)x 508(V)	NTSC:768(H)x494(V)	NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0.2Lux/ F2.0	1.0Lux/ F2.0	0.8Lux/ F2.0	1.0Lux/ F2.0
	0Lux (IR On)	0Lux (IR On)	0Lux (IR On)	0Lux (IR On)
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Auto Gain Control (AGC)	Auto			
IR Wavelength	850nm			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	12mm			
IR LED	Φ 5 x 60pcs			
IR Effective Range	Max. 50m			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	700mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	175mm (L) x 95m (W) x 174mm (H)			
Weight	1100g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1192 Series



Specifications				
Models	CW1192-NCS	CW1192-NCM	CW1192-SCC	CW1192-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Auto Gain Control (AGC)	Auto			
Wavelength	850nm			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	3.6mm			
IR LED	Φ 5 x 24pcs			
IR Effective Range	Max. 20m			
Housing	White Color, Cable through bracket design			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	450mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions (mm)	163mm (L) x 67mm (W) x 113mm (H)			
Weight	750g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

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CW1192_sv1

Weatherproof Day & Night IR Camera

CW1190 Series



Specifications			
Models	CW1190-NCS	CW1190-NCM	CW1190-SCC
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL	480TVL	420TVL
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Auto Gain Control (AGC)	Auto		
Wavelength	850nm		
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec		
Lens Type	6mm		
IR LED	Φ 5 x 30pcs		
IR Effective Range	Max. 25m		
Housing	White Color, Cable through bracket design		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	450mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	171mm (L) x 74mm (W) x 125mm (H)		
Weight	850g		
Supplied Accessories	Bracket included		

Specifications are subject to change without prior notice.

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CW1190_sv1

Weatherproof Day & Night IR Camera

CW1188 Series



Specifications				
Models	CW1188-NCS	CW1188-NCM	CW1188-SCC	CW1188-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 795 (H) x 596 (V)	PAL: 752 (H) x 582 (V)	PAL: 500 (H) x 582 (V)	
	NTSC: 811 (H) x 508 (V)	NTSC: 768 (H) x 494 (V)	NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0.2Lux/ F2.0	1.0Lux/ F2.0	0.8Lux/ F2.0	1.0Lux/ F2.0
	0Lux (IR On)	0Lux (IR On)	0Lux (IR On)	0Lux (IR On)
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Auto Gain Control (AGC)	Auto			
Wavelength	850nm			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	25mm CS Lens			
IR LED	Φ 15 x 8pcs			
IR Effective Range	Max. 80m			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	700mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	161mm (L) x 114mm (W) x 116mm (H)			
Weight	1500g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1186 Series



Specifications			
Models	CW1186-NCS	CW1186-NCM	CW1186-SCC
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL	480TVL	420TVL
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Auto Gain Control (AGC)	Auto		
Wavelength	850nm		
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec		
Lens Type	25mm CS Lens		
IR LED	Φ12 x 6pcs		
IR Effective Range	Max. 60m		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	700mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	132mm (L) x 86mm (W) x 78mm (H)		
Weight	1300g		
Supplied Accessories	Bracket included		

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1184 Series



Specifications			
Models	CW1184-NCS	CW1184-NCM	CW1184-SCC
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL	480TVL	420TVL
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Auto Gain Control (AGC)	Auto		
Wavelength	850nm		
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec		
Lens Type	12mm		
IR LED	Φ5 x 64pcs		
IR Effective Range	Max. 50m		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	700mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	132mm (L) x 86mm (W) x 78mm (H)		
Weight	1300g		
Supplied Accessories	Bracket included		

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cameras

CW1182 Series



Specifications				
Models	CW1182-NCS	CW1182-NCM	CW1182-SCC	CW1182-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL:795 (H) x 596 (V) NTSC:811(H)x 508(V)	PAL:752 (H) x 582 (V) NTSC:768(H)x494(V)	PAL:500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Auto Gain Control (AGC)	Auto			
Wavelength	850nm			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	25mm			
IR LED	Φ 15 x 12pcs			
IR Effective Range	Max. 100m			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	900mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	230mm (L) x 123mm (W) x 150mm (H)			
Weight	1600g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Long Range IR Camera

CW1172 Series



Specifications		
Models	CW1172-NCS	CW1172-SCC
Image Device	1/3" SONY CCD	
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC	
Horizontal Resolution	540TVL	420TVL
Synchronization	Internal Synchronization	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Gain Control	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	8mm CS Mount Lens (Optional: 12mm/ 25mm Lens)	
IR LED	ø 8 x 48pcs + ø 5 x 24pcs	
IR Effective Range	Max. 100m	
Housing	Silver Color, Alloy Housing	
Degree of Protection	IP66	
Power Supply	12VDC	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	150mm (L) x 180mm (W) x 90mm (H)	
Weight	1800g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Camera

CW1169 Series



Specifications		
Models	CW1169-NCS	CW1169-SCC
Image Device	1/3" SONY CCD	
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC	
Horizontal Resolution	540TVL	420TVL
Synchronization	Internal Synchronization	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Gain Control	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	4-9mm Manual Vari-focal Lens	
IR LED	ø 5 x 42pcs	
IR Effective Range	Max. 35m	
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket	
Power Supply	12VDC	
Power Consumption	< 400mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	288mm (L) x 97mm (W) x 82mm (H)	
Weight	1200g	

Specifications are subject to change without prior notice.

Weatherproof IR Camera

CW1168 Series



Specifications		
Models	CW1168-NCS	CW1168-SCC
Image Device	1/3" SONY CCD	
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	540TVL	420TVL
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥ 48dB	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Auto White Balance (AWB)	Auto	
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec	
Lens Type	9-22mm Lens	
Wavelength	850nm	
IR LED	Φ 10 x 12pcs	
IR Effective Range	Max. 80m	
Housing	Al-alloy, Double Glass, 3-Axis Bracket, Cable through Bracket design	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	1200mA	
Operating Temperature	-10°C ~ 50°C	
Dimensions	225mm (L) x 152mm (W) x 90mm (H)	
Weight	2000g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1166 Series



Specifications			
Models	CW1166-NCS	CW1166-SCC	CW1166-HAC
Image Device	1/3" SONY CCD	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL	420TVL	420TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto White Balance (AWB)	Auto		
Auto Gain Control (AGC)	Auto		
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec		
Lens Type	3.6mm (Optional: 6mm)		
IR LED	Φ 5 x 12pcs		
IR Effective Range	Max. 10m		
Housing	Black Color, Al-alloy case		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	51mm (Φ) x 60mm (H)		
Weight	500g		
Supplied Accessories	Bracket included		

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1162 Series



Specifications				
Models	CW1162-NCS	CW1162-NCM	CW1162-SCC	CW1162-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 795 (H) x 596 (V)	PAL: 752 (H) x 582 (V)	PAL: 500 (H) x 582 (V)	
	NTSC: 811 (H) x 508 (V)	NTSC: 768 (H) x 494 (V)	NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto White Balance (AWB)	Auto			
Auto Gain Control (AGC)	Auto			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	6mm			
IR LED	Φ 5 x 30pcs			
IR Effective Range	Max. 25m			
Housing	White Color, 3-Axis Bracket, Cable through bracket design			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	500mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	125mm (L) x 78m (W) x 72mm (H)			
Weight	850g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1161 Series



Specifications			
Models	CW1161-SCU	CW1161-NCSS	CW1161-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ϕ 5 x 72pcs		
IR Effective Range	Max. 60m		
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	1000mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	295mm (W) x 120m (H) x 103mm (Φ)		
Weight	1400g		



Specifications				
Models	CW1161-SCCS		CW1161-SCC	CW1161-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ϕ 5 x 72pcs			
IR Effective Range	Max. 60m			
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	1000mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions (mm)	295mm (W) x 120mm (H) x 103mm (Φ)			
Weight	1400g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1160 Series



Specifications			
Models	CW1160-SCU	CW1160-NCSS	CW1160-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens (Optional: 9-22mm Manual Vari-focal Lens)		
IR LED	ϕ 5 x 72pcs		
IR Effective Range	Max. 60m		
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment		
Degree of Protection	IP66		
Power Supply	12VDC (Optional: 12VDC/ 24VAC Dual Voltage)		
Power Consumption	1000mA		
Operating Temperature	-10°C – 50°C		
Dimensions (mm)	240mm (W) x 186mm (H) x 100mm (Φ)		
Weight	1500g		

Specifications				
Models	CW1160-SCCS		CW1160-SCC	CW1160-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens (Optional: 9-22mm Manual Vari-focal Lens)			
IR LED	ϕ 5 x 72pcs			
IR Effective Range	Max. 60m			
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment			
Degree of Protection	IP66			
Power Supply	12VDC (Optional: 12VDC/ 24VAC Dual Voltage)			
Power Consumption	1000mA			
Operating Temperature	-10°C – 50°C			
Dimensions (mm)	240mm (W) x 186mm (H) x 100mm (Φ)			
Weight	1500g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Highway Vehicle License Plate Camera

CW1157L Series



Specifications				
Models	CW1157L-SAU	CW1157L-SCX2	CW1157L-SCX1	CW1157L-SCM
Image Device	1/4" SONY Super HAD II CCD	1/3" SONY Super HAD II CCD		
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	570TVL	540TVL		470TVL
Minimum Illumination	0Lux (LED On)			
S/N Ratio	≥50dB (AGC Off)	≥48dB		
Video Output	1Vp-p/ 75 Ohm			
Gamma Correction	0.45			
White Balance	Auto/ Manual/ Red, Blue Gain Adjustable	Auto (ATW, AWB, FIXED, MANUAL)		
Day & Night Mode	Color, B/W, Auto	Color, B/W, Auto (Level Adjust)		
AGC	Normal/ High/ Off	High/ Low (6dB ~40dB)		
Back Light Compensation (BLC)	On/ Off (64 areas)			
Motion Detection	On/ Off (64 areas)			
Flicker Mode	On / Off			
Electronic Shutter	128X ~ 1/120,000 sec	1/50 (1/60) – 1/100,000 sec		
Lens Type	3.8-38mm Lens (10x Optical Zoom)	9-22mm Vari-focal Auto Iris Lens		4-9mm Vari-focal Auto Iris Lens
LED	30pcs			
LED Effective Range	80m	20-40m	50m	10-20m
Housing	White Color, Wall mount bracket			
Degree of Protection	IP65			
Special Feature	Highway License Plate Capture, IR Cut Filter, Built-in Fan & Heater			
Power Supply	12VDC/ 2A			
Operating Temperature	-20°C ~ 50°C			
Dimensions (mm)	223mm (L) x 145mm (W) x 100mm (H), 282mm (L) x 145mm (W) x 285mm (H) - with bracket			
Weight	1800g			

Specifications are subject to change without prior notice.

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CW1157L_sv2

Weatherproof Day & Night Vari-focal IR Cameras

CW1155 Series



Specifications			
Models	CW1155-SCU	CW1155-NCSS	CW1155-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ø 8 x 36pcs		
IR Effective Range	Max. 50m		
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 700mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	259mm (W) x 104mm (H) x 159mm (Φ)		
Weight	1500g		



Specifications				
Models	CW1155-SCCS		CW1155-SCC	CW1155-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ø 8 x 36pcs			
IR Effective Range	Max. 50m			
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	< 700mA			
Operating Temperature	-10°C ~+50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	259mm (W) x 104mm (H) x 159mm (Φ)			
Weight	1500g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1155A Series



Specifications			
Models	CW1155A-SCU	CW1155A-NCSS	CW1155A-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC OFF)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Dynamic Vari-focal Lens (Optional: 5-15mm Dynamic Vari-focal Lens)		
IR LED	ø 8 x 36pcs		
IR Effective Range	Max. 50m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 700mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	259mm (L) x 104mm (W) x 159mm (H)		
Weight	1500g		



Specifications				
Models	CW1155A-SCCS		CW1155A-SCC	CW1155A-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)	420TVL		
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC OFF)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Dynamic Vari-focal Lens (Optional: 5-15mm Dynamic Vari-focal Lens)			
IR LED	ø 8 x 36pcs			
IR Effective Range	Max. 50m			
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	< 700mA			
Operating Temperature	-10°C ~+ 50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	259mm (L) x 104mm (W) x 159mm (H)			
Weight	1500g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1155L Series



Specifications		
Models	CW1155L-NCS	CW1155L-SCC
Image Device	1/3" SONY CCD	
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC	
Horizontal Resolution	540TVL	420TVL
Synchronization	Internal Synchronization	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	4-9mm Manual Vari-focal Lens	
IR LED	ø 8 x 36pcs	
IR Effective Range	Max. 50m	
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	< 300mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	259mm (W) x 104mm (H) x 159mm (Φ)	
Weight	1500g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1154 Series



Specifications			
Models	CW1154-SCU	CW1154-NCSS	CW1154-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC OFF)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	8mm CS Mount Lens (Optional: 4-9mm Manual Vari-focal Lens)		
IR LED	ø 8 x 36pcs		
IR Effective Range	Max. 50m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 700mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	263mm (L) x 94mm (W) x 119mm (H)		
Weight	1500g		

Specifications				
Models	CW1154-SCCS		CW1154-SCC	CW1154-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC OFF)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	8mm CS Mount Lens (Optional: 4-9mm Manual Vari-focal Lens)			
IR LED	ø 8 x 36pcs			
IR Effective Range	Max. 50m			
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	< 700mA			
Operating Temperature	-10°C ~+ 50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	263mm (L) x 94mm (W) x 119mm (H)			
Weight	1500g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1154A Series



Specifications			
Models	CW1154A-SCU	CW1154A-NCSS	CW1154A-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC OFF)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ø 8 x 36pcs		
IR Effective Range	Max. 50m		
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 700mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	263mm (L) x 119mm (W) x 94mm (H)		
Weight	1500g		



Specifications				
Models	CW1154A-SCCS		CW1154A-SCC	CW1154A-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC OFF)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ø 8 x 36pcs			
IR Effective Range	Max. 50m			
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	< 700mA			
Operating Temperature	-10°C ~+ 50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	263mm (L) x 119mm (W) x 94mm (H)			
Weight	1500g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1153 Series



Specifications			
Models	CW1153-SCU	CW1153-NCSS	CW1153-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ø8 x 36pcs		
IR Effective Range	Max. 50m		
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	700mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	295mm (W) x 120m (H) x 103mm (Φ)		
Weight	1400g		



Specifications				
Models	CW1153-SCCS		CW1153-SCC	CW1153-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ø8 x 36pcs			
IR Effective Range	Max. 50m			
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	700mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions (mm)	295mm (W) x 120mm (H) x 103mm (Φ)			
Weight	1400g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1144 Series



Specifications			
Models	CW1144-NCSS	CW1144-NCS	CW1144-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	6mm Board Lens		
IR LED	φ 5 x 48pcs		
IR Effective Range	Max. 40m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 500mA		
Operating Temperature	-10°C ~ +50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	215mm (W) x 85mm (H) x 78mm (Φ)		
Weight	1100g		

Specifications		
Models	CW1144-SCC	CW1144-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	6mm Board Lens	
IR LED	ø 5 x 48pcs	
IR Effective Range	Max. 40m	
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	< 500mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	215mm (W) x 85mm (H) x 78mm (Φ)	
Weight	1100g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1142 Series



Specifications			
Models	CW1142-NCSS	CW1142-NCS	CW1142-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	8mm Board Lens		
IR LED	ø5 x 48pcs		
IR Effective Range	Max. 40m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	500mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	153mm (W) x 97m (H) x 82mm (Φ)		
Weight	900g		



Specifications		
Models	CW1142-SCC	CW1142-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	8mm Board Lens	
IR LED	ø5 x 48pcs	
IR Effective Range	Max. 40m	
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	500mA	
Operating Temperature	-10°C ~ 50°C	
Dimensions (mm)	153mm (W) x 97mm (H) x 82mm (Φ)	
Weight	900g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1141 Series



Specifications			
Models	CW1141-SCU	CW1141-NCSS	CW1141-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ø 5 x 42pcs		
IR Effective Range	Max. 40m		
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	600mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	228mm (W) x 97m (H) x 82mm (Φ)		
Weight	1200g		



Specifications				
Models	CW1141-SCCS		CW1141-SCC	CW1141-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ϕ 5 x 42pcs			
IR Effective Range	Max. 40m			
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	600mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions (mm)	228mm (W) x 97mm (H) x 82mm (Φ)			
Weight	1200g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1140 Series



Specifications			
Models	CW1140-SCU	CW1140-NCSS	CW1140-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ϕ 5 x 42pcs		
IR Effective Range	Max. 40m		
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment		
Degree of Protection	IP66		
Power Supply	12VDC (Optional: 12VDC/ 24VAC Dual Voltage)		
Power Consumption	600mA		
Operating Temperature	-10°C – 50°C		
Dimensions (mm)	200mm (W) x 171m (H) x 83mm (Φ)		
Weight	1300g		



Specifications				
Models	CW1140-SCCS		CW1140-SCC	CW1140-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ϕ 5 x 42pcs			
IR Effective Range	Max. 40m			
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment			
Degree of Protection	IP66			
Power Supply	12VDC (Optional: 12VDC/ 24VAC Dual Voltage)			
Power Consumption	600mA			
Operating Temperature	-10°C – 50°C			
Dimensions (mm)	200mm (W) x 171mm (H) x 83mm (Φ)			
Weight	1300g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1135 Series



Specifications			
Models	CW1135-SCU	CW1135-NCSS	CW1135-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ϕ 5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 400mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	256mm (L) x 86mm (W) x 143mm (H)		
Weight	1300g		



Specifications				
Models	CW1135-SCCS		CW1135-SCC	CW1135-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ø 5 x 36pcs			
IR Effective Range	Max. 30m			
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	< 400mA			
Operating Temperature	-10°C ~+50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	256mm (L) x 86mm (W) x 143mm (H)			
Weight	1300g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1135A Series



Specifications			
Models	CW1135A-SCU	CW1135A-NCSS	CW1135A-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC OFF)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Dynamic Vari-focal Lens (Optional: 5-15mm Dynamic Vari-focal Lens)		
IR LED	φ 5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Special Feature	RS485 Control Auto Focus		
Power Supply	12VDC		
Power Consumption	< 400mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	256mm (L) x 86mm (W) x 143mm (H)		
Weight	1300g		

Specifications				
Models	CW1135A-SCCS		CW1135A-SCC	CW1135A-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC OFF)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Dynamic Vari-focal Lens (Optional: 5-15mm Dynamic Vari-focal Lens)			
IR LED	ϕ 5 x 36pcs			
IR Effective Range	Max. 30m			
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket			
Degree of Protection	IP66			
Special Feature	RS485 Control Auto Focus			
Power Supply	12VDC			
Power Consumption	400mA			
Operating Temperature	-10°C ~+50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	256mm (L) x 86mm (W) x 143mm (H)			
Weight	1300g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Camera

CW1135L Series



Specifications		
Models	CW1135L-NCS	CW1135L-SCC
Image Device	1/3" SONY CCD	
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC	
Horizontal Resolution	540TVL	420TVL
Synchronization	Internal Synchronization	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	4-9mm Manual Vari-focal Lens	
IR LED	ø 5 x 36pcs	
IR Effective Range	Max. 30m	
Housing	White Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket	
Degree of Protection	IP66	
Special Feature	Removable IR-CUT Filter Function	
Power Supply	12VDC	
Power Consumption	< 400mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	256mm (L) x 86mm (W) x 143mm (H)	
Weight	1300g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1134 Series



Specifications			
Models	CW1134-NCSS	CW1134-NCS	CW1134-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	6mm Board Lens		
IR LED	ϕ 5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	Black Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	175mm (W) x 124mm (H) x 83mm (Φ)		
Weight	900g		

Specifications		
Models	CW1134-SCC	CW1134-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	6mm Board Lens	
IR LED	ø 5 x 36pcs	
IR Effective Range	Max. 30m	
Housing	Black Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	300mA	
Operating Temperature	-10°C ~ 50°C	
Dimensions (mm)	175mm (W) x 124mm (H) x 83mm (Φ)	
Weight	900g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night Vari-focal IR Cameras

CW1133 Series



Specifications			
Models	CW1133-SCU	CW1133-NCSS	CW1133-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Vari-focal Lens		
IR LED	ϕ 5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	400mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	228mm (W) x 97m (H) x 82mm (Φ)		
Weight	1200g		

Specifications				
Models	CW1133-SCCS		CW1133-SCC	CW1133-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Vari-focal Lens			
IR LED	ø5 x 36pcs			
IR Effective Range	Max. 30m			
Housing	Black Color, Cable Through Bracket Design, External Zoom & Focus Adjustment, 3-Axis Bracket			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	400mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions (mm)	228mm (W) x 97mm (H) x 82mm (Φ)			
Weight	1200g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1132 Series



Specifications			
Models	CW1132-NCSS	CW1132-NCS	CW1132-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	6mm Board Lens		
IR LED	φ5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	153mm (W) x 97m (H) x 82mm (Φ)		
Weight	900g		



Specifications		
Models	CW1132-SCC	CW1132-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	6mm Board Lens	
IR LED	ø5 x 36pcs	
IR Effective Range	Max. 30m	
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	300mA	
Operating Temperature	-10°C ~ 50°C	
Dimensions (mm)	153mm (W) x 97mm (H) x 82mm (Φ)	
Weight	900g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1124 Series



Specifications			
Models	CW1124-NCSS	CW1124-NCS	CW1124-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	3.6mm Board Lens		
IR LED	ϕ 5 x 30pcs		
IR Effective Range	Max. 25m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	< 350mA		
Operating Temperature	-10°C ~ +50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	162mm (W) x 72mm (H) x 69mm (Φ)		
Weight	850g		



Specifications		
Models	CW1124-SCC	CW1124-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	3.6mm Board Lens	
IR LED	ø 5 x 30pcs	
IR Effective Range	Max. 25m	
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	< 350mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	162mm (W) x 72mm (H) x 69mm (Φ)	
Weight	850g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1123 Series



Specifications			
Models	CW1123-NCSS	CW1123-NCS	CW1123-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	3.6mm Board Lens		
IR LED	ϕ 5 x 24pcs		
IR Effective Range	Max. 20m		
Housing	Black Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	175mm (W) x 124m (H) x 83mm (Φ)		
Weight	900g		



Specifications		
Models	CW1123-SCC	CW1123-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	3.6mm Board Lens	
IR LED	ø 5 x 24pcs	
IR Effective Range	Max. 20m	
Housing	Black Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	300mA	
Operating Temperature	-10°C ~ 50°C	
Dimensions (mm)	175mm (W) x 124mm (H) x 83mm (Φ)	
Weight	900g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1122 Series



Specifications			
Models	CW1122-NCSS	CW1122-NCS	CW1122-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	3.6mm Board Lens		
IR LED	ø5 x 24pcs		
IR Effective Range	Max. 20m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	100mm (W) x 77m (H) x 77mm (Φ)		
Weight	700g		



Specifications		
Models	CW1122-SCC	CW1122-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	3.6mm Board Lens	
IR LED	φ5 x 24pcs	
IR Effective Range	Max. 20m	
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket	
Degree of Protection	IP66	
Power Supply	12VDC	
Power Consumption	300mA	
Operating Temperature	-10°C ~ 50°C	
Dimensions (mm)	100mm (W) x 77mm (H) x 77mm (Φ)	
Weight	700g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1120 Series



Specifications			
Models	CW1120-NCSS	CW1120-NCS	CW1120-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	3.6mm Board Lens		
IR LED	ø5 x 24pcs		
IR Effective Range	Max. 20m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	128mm (W) x 90m (H) x 70mm (Φ)		
Weight	700g		



Specifications			
Models	CW1120-SCC	CW1120-HAC	CW1120-MAM
Image Device	1/3" SONY CCD	1/4" SHARP CCD	1/4" PIXEL CMOS
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)		PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	420TVL		480TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	3.6mm Board Lens		
IR LED	φ5 x 24pcs		
IR Effective Range	Max. 20m		
Housing	White Color, Cable Through Bracket Design, 3-Axis Bracket		
Degree of Protection	IP66		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions (mm)	128mm (W) x 90mm (H) x 70mm (Φ)		
Weight	700g		

Specifications are subject to change without prior notice.

High Resolution Licence Plate Recognition Camera

CW1096-SCX



Specifications	
Models	CW1096-SCX
Image Device	1/3" SONY CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)
Signal System	PAL/ NTSC
Synchronization	Internal Synchronization
Horizontal Resolution	520TVL
Minimum Illumination	0Lux (IR On)
S/N Ratio	≥48dB
Video Output	1.0Vp-p/ 75Ω
Day/ Night Function	Yes
Gamma Correction	0.45
Back Light Compensation (BLC)	Auto
White Balance	Auto
Electronic Shutter	1/50 (1/60) - 1/100,000 sec
Exposure Mode	EE
Lens Type	16mm Fixed Lens
IR LED	30pcs
IR Effective Range	Max. 30m
Degree of Protection	IP65
Power Supply	12VDC
Operating Temperature	-10°C – +50°C
Dimensions	200mm (L) x 111mm (W) x 122mm (H)
Weight	1700g
Special Functions	Licence Plate Recognition Application: Under Static monitoring situation (e.g. Use for Car Park entrance, gate exit, ...etc.)

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1089 Series



Specifications	
Models	CW1089-SCU
Image Device	1/3" SONY SUPER HAD II CCD
Effective Pixels	NTSC: 768 (H) x 494 (V), PAL: 752 (H) x 582 (V)
Signal System	PAL/ NTSC
Synchronization	Internal/ Line Lock
Horizontal Resolution	600TVL (Color)/ 650TVL (B/W)
Minimum Illumination	0.2Lux (Color), 0Lux (IR On)
S/N Ratio	≥ 50dB (AGC Off)
Video Output	1.0Vp-p/ 75Ω
Gamma Correction	0.45
White Balance	ATW/ AWC/ MANUAL
Auto Gain Control (AGC)	On/ Off
Black Light Compensation (BLC)	Low/ Middle/ High/ Close
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec
Anti-flicking	On/ Off
Motion Detection	Open/ Close (4 Zone, Alarm On/Off)
Mirror	Switch
DNR	Low/ Middle/ High/ Off
Alarm Output	1 Ch
Camera Name	0-255
Communication Protocol	RS-232C
On Screen Display (OSD)	Yes
Lens Type	4-9mm Lens (Optional: 2.8-11mm)
IR LED	Φ 8 x 35pcs
IR Effective Range	Max. 70m
Housing	Silver Color, 3-Axis Bracket, Cable through bracket design
Degree of Protection	IP66
Power Supply	12VDC

Specifications	
Models	CW1089-SCU
Power Consumption	500mA
Operating Temperature	-10°C ~ 50°C
Dimensions	280mm (L) x 90m (W) x 150mm (H)
Weight	1200g
Supplied Accessories	Bracket included

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Camera

CW1083 Series



Specifications				
Models	CW1083-SCC	CW1083-HCC	CW1083-NCM	CW1083-NCX
Image Device	1/3" SONY CCD	1/3" SHARP CCD	1/3" SONY CCD	
Effective Pixels	PAL:	PAL:	PAL:	PAL:
	500 (H) x 582 (V)	512 (H) x 582 (V)	752 (H) x 582 (V)	752 (H) x 582 (V)
	NTSC:	NTSC:	NTSC:	NTSC:
	510 (H) x 492 (V)	512 (H) x 492 (V)	768 (H) x 494 (V)	768 (H) x 494 (V)
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL		480TVL	520TVL
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥ 48dB			≥ 50dB
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	3.6mm Board Lens (Optional: 6mm/ 8mm)			
IR LED	Φ 5 x 24pcs			
IR Effective Range	Max. 20m			
IR Wavelength	850nm			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	300mA			
Operating Temperature	-10°C ~ 50°C			
Storage Temperature	-30°C ~ 60°C			
Dimensions (mm)	114mm (L) x 70m (W) x 68mm (H)			
Weight	360g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

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CW1083_sv1

Weatherproof Day & Night IR Aluminum Case Box Cameras

CW1067 Series



Specifications			
Models	CW1067-SCX	CW1067-SCH	CW1067-SCC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	500TVL	420TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥48dB		
Video Output	1.0Vp-p/ 75Ω		
Day/ Night Function	Yes		
Gamma Correction	0.45		
Auto Gain Control (AGC)	Auto		
Back Light Compensation (BLC)	Auto		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Exposure Mode	EE		
Lens Type	6-60mm Lens (27X Lens is optional)		
IR LED	8 pcs high power LED with 12pcs Ø8 IR LED Inside		
IR Effective Range	Max. 100m		
Degree of Protection	IP65		
Power Supply	220VAC		
Operating Temperature	-10°C – +50°C		
Dimensions (mm)	240mm (L) x 155mm (W) x 143mm (H)		
Weight	3.85 kg		
Special Functions	Adopt aluminum case and with heat ventilation design		

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Vari-focal Cannon Cameras

CW1066 Series



Specifications				
Models	CW1066-SCX	CW1066-SCH	CW1066-SCC	CW1066-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6-60mm Vari-focal Lens			
IR LED	65pcs			
IR Effective Range	Max. 80m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions	250mm (L) x 140mm (W) x 135mm (H)			
Weight	3.8 kg			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Tube Cameras

CW1065 Series



Specifications			
Models	CW1065-SCX	CW1065-SCH	CW1065-SCC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	500TVL	420TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥48dB		
Video Output	1.0Vp-p/ 75Ω		
Day/ Night Function	Yes		
Gamma Correction	0.45		
Auto Gain Control (AGC)	Auto		
Back Light Compensation (BLC)	Auto		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Exposure Mode	EE		
Lens Type	6mm		
IR LED	30pcs		
IR Effective Range	Max. 30m		
Degree of Protection	IP65		
Power Supply	12VDC		
Operating Temperature	-10°C – +50°C		
Dimensions (mm)	72 mm (Φ) x 125 mm (L)		
Weight	650g		
Supplied Accessories	Bracket included		

Specifications		
Models	CW1065-SAC	CW1065-HAC
Image Device	1/4" SONY ExView CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	6mm	
IR LED	30pcs	
IR Effective Range	Max. 30m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	72 mm (Φ) x 125 mm (L)	
Weight	650g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Tube Cameras

CW1064 Series



Specifications				
Models	CW1064-SCC	CW1064-SAC	CW1064-HCC	CW1064-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY ExView CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V)		PAL: 500 (H) x 582 (V)	
	NTSC: 512 (H) x 492 (V)		NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	23pcs			
IR Effective Range	Max. 20m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	58mm (Φ) x 101mm (L)			
Weight	400g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cannon Cameras

CW1063 Series



Specifications				
Models	CW1063-SCX	CW1063-SCH	CW1063-SCC	CW1063-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	54pcs			
IR Effective Range	Max. 40m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions	75 mm (Φ) x 105mm (L)			
Weight	680g			
Supplied Accessories	Bracket included			

Specifications		
Models	CW1063-HCC	CW1063-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	6mm	
IR LED	54pcs	
IR Effective Range	Max. 40m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions	75 mm (Φ) x 105mm (L)	
Weight	680g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cannon Cameras

CW1062 Series



Specifications				
Models	CW1062-SCX	CW1062-SCH	CW1062-SCC	CW1062-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	16mm Manual Iris Lens			
Angle of View	21.2°			
IR LED	35pcs			
IR Effective Range	Max. 50m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	116mm (Φ) x 160 mm (L)			
Weight	1650g			



Specifications		
Models	CW1062-HCC	CW1062-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	16mm Manual Iris Lens	
Angle of View	21.2°	
IR LED	35pcs	
IR Effective Range	Max. 50m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	116mm (Φ) x 160 mm (L)	
Weight	1650g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cannon Cameras

CW1061 Series



Specifications				
Models	CW1061-SCX	CW1061-SCH	CW1061-SCC	CW1061-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	16mm Manual Iris Lens			
Angle of View	21.2°			
IR LED	35pcs			
IR Effective Range	Max. 50m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions	105mm (L) x 185mm (W) x 190mm (H)			
Weight	1200g			



Specifications		
Models	CW1061-HCC	CW1061-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	16mm Manual Iris Lens	
Angle of View	21.2°	
IR LED	35pcs	
IR Effective Range	Max. 50m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions	105mm (L) x 185mm (W) x 190mm (H)	
Weight	1200g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Housing Box Cameras with in-built blower



CW1058 Series

Specifications				
Models	CW1058-SCX	CW1058-SCH	CW1058-SCC	CW1058-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)		PAL: 512 (H) × 582 (V) NTSC: 512 (H) × 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50(1/60) - 1/100000 sec			
Exposure Mode	EE			
Lens Type	16mm Manual Iris Lens			
IR LED	30pcs			
IR Effective Range	Max. 40m			
Housing	Aluminum, White color, in-built blower			
Degree of Protection	IP55			
Power Supply	110/ 220VAC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	395mm (L) x 135mm (W) x 100mm (H)			
Weight	1600g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Housing Box Cameras with in-built blower



CW1057 Series

Specifications				
Models	CW1057-SCX	CW1057-SCH	CW1057-SCC	CW1057-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)		PAL: 512 (H) × 582 (V) NTSC: 512 (H) × 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50(1/60) - 1/100000 sec			
Exposure Mode	EE			
Lens Type	16mm Manual Iris Lens			
IR LED	30pcs			
IR Effective Range	Max. 40m			
Housing	Aluminum, White Color, in-built blower			
Degree of Protection	IP55			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	215mm (L) x 138mm (W) x 105mm (H)			
Weight	1100g			

Specifications are subject to change without prior notice.

Weatherproof Bullet Cameras

CW1053 Series



Specifications		
Models	CW1053-SCC	CW1053-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500H×582V NTSC: 510H×492V	
Signal System	PAL/NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0.8 Lux/F1.2	1.0 Lux/F1.2
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/75Ω	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50(1/60) - 1/1000000 sec	
Exposure Mode	EE	
Lens Type	3.6mm Board Lens	
Housing	Weatherproof Aluminum, Silver Color (Option: Black Color)	
Degree of Protection	IP55	
Power Supply	12VDC	
Operating Temperature	-10°C – 50°C	
Dimensions (mm)	27mm (Φ) x 68mm (L)	
Weight	200g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day/ Night Color IR Bullet Cameras



CW1052 Series

Specifications				
Models	CW1052-SCX	CW1052-SCH	CW1052-SCM	CW1052-SCC
Image Device	1/3" SONY Super HAD CCD		1/3" SONY ExView HAD CCD	
Effective Pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)			PAL:512(H)×582(V) NTSC:512(H)×492(V)
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	480TVL	420TVL
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50(1/60) - 1/100000 sec			
Exposure Mode	EE			
Lens Type	4-9mm Vari-focal Lens			
Angle of View	54° - 23°			
IR LED	36pcs			
IR Effective Range	Max. 50m			
Housing	Aluminum, Silver			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	92mm (Φ) x 158mm (L)			
Weight	1040g			

Specifications are subject to change without prior notice.

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CW1052_sv1

Weatherproof Day & Night IR Cannon Cameras



CW1051 Series

Specifications				
Models	CW1051-SCX	CW1051-SCH	CW1051-SCC	CW1051-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	54pcs			
IR Effective Range	Max. 40m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	85mm (Φ) x 142mm (L)			
Weight	660g			
Supplied Accessories	Bracket included			



Specifications

Models	CW1051-HCC	CW1051-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	6mm	
IR LED	54pcs	
IR Effective Range	Max. 40m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	85mm (Φ) x 142mm (L)	
Weight	660g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof IR Day & Night Bullet Cameras

CW1046 Series



Specifications				
Models	CW1046-SCC	CW1046-SAC	CW1046-HCC	CW1046-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 510 (H) x 492 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0 Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Exposure Mode	EE			
Electronic Shutter	1/50(1/60) - 1/100000 sec			
Lens Type	Standard: 6mm ; Option: 3.6mm/ 8mm			
Angle of View	51.6°			
IR LED	23pcs			
IR Effective Range	Max. 25m			
Housing	Weatherproof, Aluminium, Silver color			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-20°C – 50°C			
Dimensions	68mm (Φ) x 90mm (L)			
Weight	500g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

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CW1046_sv1

Weatherproof Day & Night IR Tube Cameras

CW1045 Series



Specifications				
Models	CW1045-SCC	CW1045-SAC	CW1045-HCC	CW1045-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY ExView CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V)		PAL: 500 (H) x 582 (V)	
	NTSC: 512 (H) x 492 (V)		NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	24pcs			
IR Effective Range	Max. 25m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	65mm (Φ) x 89mm (L)			
Weight	315g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Bullet Cameras

CW1044 Series



Specifications				
Models	CW1044-SCC	CW1044-SAC	CW1044-HCC	CW1044-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY ExView CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V)		PAL: 500 (H) x 582 (V)	
	NTSC: 512 (H) x 492 (V)		NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	24pcs			
IR Effective Range	Max. 25m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	55mm (Φ) x 107mm (L)			
Weight	310g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Tube Cameras

CW1041 Series



Specifications

Models	CW1041-SCX	CW1041-SCH	CW1041-SCC	CW1041-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	36pcs			
IR Effective Range	Max. 30m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	65mm (Φ) x 123mm (L)			
Weight	535g			
Supplied Accessories	Bracket included			



Specifications		
Models	CW1041-HCC	CW1041-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	6mm	
IR LED	36pcs	
IR Effective Range	Max. 30m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	65mm (Φ) x 123mm (L)	
Weight	535g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Tube Cameras

CW1040 Series



Specifications				
Models	CW1040-SCX	CW1040-SCH	CW1040-SCC	CW1040-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	36pcs			
IR Effective Range	Max. 30m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	75mm (Φ) x 123mm (L)			
Weight	600g			
Supplied Accessories	Bracket included			



Specifications

Models	CW1040-HCC	CW1040-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	6mm	
IR LED	36pcs	
IR Effective Range	Max. 30m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	75mm (Φ) x 123mm (L)	
Weight	600g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Vari-focal Cannon Cameras

CW1039 Series



Specifications				
Models	CW1039-SCX	CW1039-SCH	CW1039-SCC	CW1039-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	10X Zoom Lens (6-60mm Lens)			
IR LED	8pcs			
IR Effective Range	Max. 100m			
Degree of Protection	IP65			
Power Supply	220VAC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	110mm (Φ) x 162mm (L)			
Weight	2000g			



Specifications

Models	CW1039-SAM1	CW1039-SAC1
Image Device	1/4" SONY CCD	
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	480TVL	420TVL
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	22X Zoom Lens (3.9-85.8mm Lens)	
IR LED	8pcs	
IR Effective Range	Max. 100m	
Degree of Protection	IP65	
Power Supply	220VAC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	110mm (Φ) x 162mm (L)	
Weight	2000g	

Specifications are subject to change without prior notice.

Weatherproof Day/ Night IR Cannon Cameras

CW1037 Series



Specifications				
Models	CW1037-SCX	CW1037-SCH	CW1037-SCC	CW1037-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	16mm Manual Iris Lens			
Angle of View	21.2°			
IR LED	35pcs			
IR Effective Range	Max. 50m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	88mm (Φ) x 170mm (L)			
Weight	920g			



Specifications

Models	CW1037-HCC	CW1037-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	16mm Manual Iris Lens	
Angle of View	21.2°	
IR LED	35pcs	
IR Effective Range	Max. 50m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	88mm (Φ) x 170mm (L)	
Weight	920g	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Tube Cameras

CW1036 Series



Specifications				
Models	CW1036-SCX	CW1036-SCH	CW1036-SCC	CW1036-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	8mm			
IR LED	54pcs			
IR Effective Range	Max. 40m			
Degree of Protection	IP65			
Power Supply	12VDC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	80mm (Φ) x 130mm (L)			
Weight	760g			
Supplied Accessories	Bracket included			



Specifications		
Models	CW1036-HCC	CW1036-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	8mm	
IR LED	54pcs	
IR Effective Range	Max. 40m	
Degree of Protection	IP65	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	80mm (Φ) x 130mm (L)	
Weight	760g	
Supplied Accessories	Bracket included	

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cameras

CW1025 Series



Specifications				
Models	CW1025-NCS	CW1025-NCM	CW1025-SCC	CW1025-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL:	PAL:	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
	752 (H) x 582 (V)	752 (H) x 582 (V)		
	NTSC:	NTSC:		
	811 (H) x 508 (V)	768 (H) x 494 (V)		
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	3.6mm Board Lens			
IR LED	24pcs			
IR Effective Range	Max. 20m			
Power Supply	12VDC			
Operating Temperature	-10°C ~ +50°C			
Dimensions	94mm (Φ) x 68.5mm (H)			
Weight	350g			

Specifications are subject to change without prior notice.

Weatherproof Day & Night IR Cannon Cameras

CW1018 Series



Specifications				
Models	CW1018-SCX	CW1018-SCH	CW1018-SCC	CW1018-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY ExView CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	25mm Manual Iris Lens			
Angle of View	13.4°			
IR LED	12pcs			
IR Effective Range	Max. 80m			
Degree of Protection	IP65			
Power Supply	220VAC			
Operating Temperature	-10°C – +50°C			
Dimensions (mm)	115mm (Φ) x 232mm (L)			
Weight	2100g			



Specifications

Models	CW1018-HCC	CW1018-HAC
Image Device	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0Lux (IR On)	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Day/ Night Function	Yes	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	25mm Manual Iris Lens	
Angle of View	13.4°	
IR LED	12pcs	
IR Effective Range	Max. 80m	
Degree of Protection	IP65	
Power Supply	220VAC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	115mm (Φ) x 232mm (L)	
Weight	2100g	

Specifications are subject to change without prior notice.

Weatherproof IR Day & Night Bullet Cameras

CW1015 Series



Colors: 

Specifications				
Models	CW1015-SCC	CW1015-SAC	CW1015-HCC	CW1015-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 510 (H) x 492 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0 Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/75Ω			
Day/ Night Function	Yes			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Exposure Mode	EE			
Electronic Shutter	1/50(1/60) - 1/100000 sec			
Lens Type	Standard: 3.6mm			
Angle of View	90°			
IR LED	12pcs			
IR Effective Range	Max. 15m			
Housing	Silver color			
Degree of Protection	IP55			
Power Supply	12VDC			
Operating Temperature	-10°C – 40°C			
Dimensions	53mm (Φ) x 85mm (L)			
Weight	400g			
Supplied Accessories	Bracket included			

Specifications are subject to change without prior notice.

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CW1015_sv1

Vandal proof IR Dome Cameras

CV3132 Series



Specifications			
Models	CV3132-NCS	CV3132-NCM	CV3132-SCC
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL	480TVL	420TVL
Minimum Illumination	0.1Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Auto Gain Control (AGC)	Auto		
Wavelength	850nm		
Electronic Shutter	1/ 50 (1/60) – 1/100,000 sec		
Lens Type	4-9mm Auto Iris lens		
IR LED	15pcs + 6pcs		
IR Effective Range	Max. 20m		
Housing	White Color, Built-in 3-Axis Bracket		
Degree of Protection	IP55		
Power Supply	12VDC		
Power Consumption	350mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	123mm (Φ) x 89mm (H)		
Weight	1000g		

Specifications are subject to change without prior notice.

Vandal proof IR Dome Cameras

CV3131 Series



Specifications			
Models	CV3131-NCU	CV3131-NCM	CV3131-SCC
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	480TVL	420TVL
Minimum Illumination	0.1Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Auto Gain Control (AGC)	Auto		
Wavelength	850nm		
Electronic Shutter	1/ 50 (1/60) – 1/100,000 sec		
Lens Type	3.6mm		
Lens Furnished	3.6mm/ F 2.0 lens		
IR LED	ø5 x 24pcs		
IR Effective Range	Max. 20m		
Housing	White Color, Vandal-proof Case		
Degree of Protection	IP55		
Power Supply	12VDC		
Power Consumption	600mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	106mm (Φ) x 68mm (H)		
Weight	600g		

Specifications are subject to change without prior notice.

Vandal proof IR Dome Cameras

CV3130 Series



Specifications			
Models	CV31320-NCU	CV3130-NCM	CV3130-SCC
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	480TVL	420TVL
Minimum Illumination	0.1Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Auto Gain Control (AGC)	Auto		
Wavelength	850 nm		
Electronic Shutter	1/ 50 (1/60) – 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
IR LED	φ5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	White Color, Vandal proof Case		
Degree of Protection	IP55		
Power Supply	12VDC +/-10%		
Power Consumption	700mA		
Operating Temperature	-10°C ~ 50°C		
Dimensions	135mm (Φ) x 87mm (H)		
Weight	1000g		

Specifications are subject to change without prior notice.

Vandal proof IR Dome Camera

CV3127 Series



Specifications			
Models	CV3127-NCSS	CV3127-NCS	CV3127-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0.001Lux	0.1Lux	0.001Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
IR LED	ø5 x 36pcs		
IR Effective Range	Max. 30m		
Housing	White Color, 3-Axis Bracket		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C ~ +50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	150mm (Φ) x 120mm (H)		
Weight	1100g		



Specifications		
Models	CV3127-SCC	CV3127-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0.8Lux	
S/N Ratio	≥ 48dB (AGC Off)	
Video Output	1.0Vp-p / 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	4-9mm Manual Zoom Lens	
IR LED	ø 5 x 36pcs	
IR Effective Range	Max. 30m	
Housing	White Color, 3-Axis Bracket	
Power Supply	12VDC	
Power Consumption	300mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	150mm (Φ) x 120mm (H)	
Weight	1100g	

Specifications are subject to change without prior notice.

Vandal proof Dome Cameras

CV3125 Series



Specifications

Models	CV3125-SCU	CV3125-NCSS	CV3125-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	1.0Lux	0.001Lux	1.0Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	White Color, 3-Axis Bracket		
Power Supply	12VDC		
Power Consumption	250mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	140mm (Φ) x 94mm (H)		
Weight	850g		



Specifications

Models	CV3125-SCCS	CV3125-SCC	CV3125-HAC
Image Device	1/3" SONY CCD		1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	420TVL (Low Lux)	420TVL	
Minimum Illumination	0.001Lux	0.8Lux	1.0Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	White Color, 3-Axis Bracket		
Power Supply	12VDC		
Power Consumption	250mA		
Operating Temperature	-10°C ~+50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	140mm (Φ) x 94mm (H)		
Weight	850g		

Specifications are subject to change without prior notice.

Vandal proof IR Dome Cameras

CV3124 Series



Specifications			
Models	CV3124-SCU	CV3124-NCSS	CV3124-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	1.0Lux	0.001Lux	1.0Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	Silver Color, 3-Axis Bracket		
IR LED	φ5 x 21pcs		
IR Effective Range	Max. 20m		
Power Supply	12VDC		
Power Consumption	400mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	149mm (Φ) x 99mm (H)		
Weight	1300g		



Specifications

Models	CV3124-SCCS	CV3124-SCC	CV3124-HAC
Image Device	1/3" SONY CCD		1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	420TVL (Low Lux)	420TVL	
Minimum Illumination	1.0Lux	0.8Lux	1.0Lux
S/N Ratio	≥ 48dB (AGC off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	Silver Color, 3-Axis Bracket		
IR LED	ø5 x 21pcs		
IR Effective Range	Max. 20m		
Power Supply	12VDC		
Power Consumption	400mA		
Operating Temperature	-10°C ~+50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	149mm (Φ) x 99mm (H)		
Weight	1300g		

Specifications are subject to change without prior notice.

Vandal proof IR Dome Camera

CV3123 Series



Specifications			
Models	CV3123-NCSS	CV3123-NCS	CV3123-SCCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	540TVL (Low Lux)	540TVL	420TVL (Low Lux)
Minimum Illumination	0.001Lux	0.1Lux	1.0Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	3.6mm Board Lens		
IR LED	24pcs		
IR Effective Range	Max. 20m		
Power Supply	12VDC		
Power Consumption	400mA		
Operating Temperature	-10°C ~ +50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	100mm (Φ) x 80mm (H)		
Weight	800g		



Specifications		
Models	CV3123-SCC	CV3123-HAC
Image Device	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	420TVL	
Minimum Illumination	0.8Lux	
S/N Ratio	≥48dB (AGC Off)	
Video Output	1.0Vp-p / 75Ω	
Gamma Correction	0.45	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	3.6mm Board Lens	
IR LED	24pcs	
IR Effective Range	Max. 20m	
Power Supply	12VDC	
Power Consumption	400mA	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions (mm)	100mm (Φ) x 80mm (H)	
Weight	800g	

Specifications are subject to change without prior notice.

Vandal proof Dome Cameras

CV3122 Series



Specifications

Models	CV3122-SCU	CV3122-NCSS	CV3122-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0.001Lux		0.1Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	White Color, 3-Axis Internal Bracket		
Power Supply	12VDC		
Power Consumption	120mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	142mm (Φ) x 100mm (H)		
Weight	950g		



Specifications				
Models	CV3122-SCCS		CV3122-SCC	CV3122-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	1.0Lux		0.8Lux	
S/N Ratio	≥ 48dB (AGC Off)			
Video Output	1.0Vp-p / 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Zoom Lens			
Housing	White Color, 3-Axis Internal Bracket			
Power Supply	12VDC			
Power Consumption	120mA			
Operating Temperature	-10°C ~+50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	142mm (Φ) x 100mm (H)			
Weight	950g			

Specifications are subject to change without prior notice.

Vandal proof Dome Cameras

CV3121 Series



Specifications

Models	CV3121-SCU	CV3121-NCSS	CV3121-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0.001Lux		0.1Lux
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p / 75Ω		
Gamma Correction	0.45		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) – 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	White Color, 3-Axis Internal Bracket		
Power Supply	12VDC		
Power Consumption	120mA		
Operating Temperature	-10°C ~+ 50°C		
Storage Temperature	-20°C ~ +60°C		
Dimensions (mm)	117mm (Φ) x 92mm (H)		
Weight	750g		



Specifications				
Models	CV3121-SCCS		CV3121-SCC	CV3121-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	1.0Lux		0.8Lux	
S/N Ratio	≥ 48dB (AGC Off)			
Video Output	1.0Vp-p / 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Zoom Lens			
Housing	White Color, 3-Axis Internal Bracket			
Power Supply	12VDC			
Power Consumption	120mA			
Operating Temperature	-10°C ~+50°C			
Storage Temperature	-20°C ~ +60°C			
Dimensions (mm)	117mm (Φ) x 92mm (H)			
Weight	750g			

Specifications are subject to change without prior notice.

Vandal Proof 3-AXIS Vari-focal Dome Cameras

CV3120 Series



Specifications			
Models	CV3120-SCU	CV3120-NCSS	CV3120-NCS
Image Device	1/3" SONY CCD		
Effective Pixels	PAL: 795 (H) x 596 (V) NTSC: 811 (H) x 508 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	550TVL	540TVL (Low Lux)	540TVL
Minimum Illumination	0Lux (IR LED On)		
S/N Ratio	≥ 48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto Gain Control (AGC)	Auto		
Back Light Compensation (BLC)	Auto		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Manual Zoom Lens		
Housing	Outdoor, Vandal-proof		
IR LED	36pcs		
IR Effective Range	Max. 30m		
Power Supply	12VDC		
Power Consumption	400mA		
Operating Temperature	-10°C – 50°C		
Dimensions (mm)	120mm (Φ) x 120mm (H)		
Weight	1600g		



Specifications				
Models	CV3120-SCCS		CV3120-SCC	CV3120-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)			
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL (Low Lux)		420TVL	
Minimum Illumination	0Lux (IR LED On)			
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	4-9mm Manual Zoom Lens			
Housing	Outdoor, Vandal-proof			
IR LED	36pcs			
IR Effective Range	Max. 30m			
Degree of Protection	IP55			
Power Supply	12VDC			
Power Consumption	400mA			
Operating Temperature	-10°C – 50°C			
Dimensions (mm)	120mm (Φ) x 120mm (H)			
Weight	1600g			

Specifications are subject to change without prior notice.

Vandal Proof 3-AXIS Vari-focal Dome Cameras

CV3116 Series



Specifications			
Models	CV3116-SCX	CV3116-SCM	CV3116-SCC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	480TVL	420TVL
Minimum Illumination	0.5 Lux/ F1.2		
S/N Ratio	≥52dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto Gain Control (AGC)	Auto		
Back Light Compensation (BLC)	Auto		
White Balance	On/ Off, Color rolling reduce switchable		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Vari-focal Lens		
Angle of View	86° - 40°		
Housing	Outdoor, Vandal-proof		
Degree of Protection	IP55		
Power Supply	12VDC		
Power Consumption	300mA		
Operating Temperature	-10°C – 50°C		
Dimensions (mm)	150mm (Φ) x 95mm (H)		
Weight	845g		

Specifications are subject to change without prior notice.

Vandal Proof 3-AXIS Day & Night IR Vari-focal Dome Cameras

CV3116 IR-Series



Specifications			
Models	CV3116-SCX1	CV3116-SCM1	CV3116-SCC1
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	480TVL	420TVL
Minimum Illumination	0Lux/ F1.2 (IR On)		
S/N Ratio	≥52dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto Gain Control (AGC)	Auto		
Back Light Compensation (BLC)	Auto		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Lens Type	4-9mm Vari-focal Lens		
Angle of View	86° - 40°		
Housing	Outdoor, Vandal-proof		
IR LED	21pcs		
IR Effective Range	Max. 30m		
Degree of Protection	IP55		
Power Supply	12VDC		
Power Consumption	450mA		
Operating Temperature	-10°C – 50°C		
Dimensions (mm)	150mm (Φ) x 95mm (H)		
Weight	900g		

Specifications are subject to change without prior notice.

Vandal proof Dome IR Cameras

CV3106 Series



Specifications				
Models	CV3106-NCS	CV3106-NCM	CV3106-SCC	CV3106-HAC
Image Device	1/3" SONY CCD			1/4" SHARP CCD
Effective Pixels	PAL: 795(H) x 596(V) NTSC: 811(H)x508(V)	PAL: 752(H) x 582(V) NTSC:768(H)x494(V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0.2Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)	0.8Lux/ F2.0 0Lux (IR On)	1.0Lux/ F2.0 0Lux (IR On)
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
White Balance	Auto			
Auto Gain Control (AGC)	Auto			
Wavelength	850nm			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	4-9mm Manual Zoom Lens			
IR LED	Φ 5 x 36pcs			
IR Effective Range	Max. 30m			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	400mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	119mm (Φ) x 83mm (H)			
Weight	850g			

Specifications are subject to change without prior notice.

Vandal proof Dome IR Cameras

CV3105 Series



Specifications				
Models	CV3105-NCS	CV3105-NCM	CV3105-SCC	CV3105-HAC
Image Device	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD	1/4" SHARP CCD
Effective Pixels	PAL: 795(H) x 596(V) NTSC: 811(H)x508(V)	PAL: 752(H) x 582(V) NTSC:768(H)x494(V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	540TVL	480TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥ 48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto White Balance (AWB)	Auto			
Auto Gain Control (AGC)	Auto			
Electronic Shutter	1/ 50 (1/60) - 1/ 100,000 sec			
Lens Type	3.6mm board lens			
IR LED	Φ 5 x 24pcs			
IR Effective Range	Max. 20m			
Degree of Protection	IP66			
Power Supply	12VDC			
Power Consumption	400mA			
Operating Temperature	-10°C ~ 50°C			
Dimensions	94mm (Φ) x 69mm (H)			
Weight	500g			

Specifications are subject to change without prior notice.

Indoor Mini Dome Cameras

CD2159 Series



Specifications				
Models	CD2159-SCC	CD2159-SAC	CD2159-HCC	CD2159-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0.8Lux/ F1.2	1.0Lux/ F1.2		
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	3.6mm Board Lens			
Angle of View	90 deg.			
Power Supply	12VDC			
Power Consumption	200mA Max.			
Operating Temperature	-10°C – 50°C			
Dimensions	88mm (Φ) x 60mm (H)			
Weight	160g			

Specifications are subject to change without prior notice.

Day & Night IR Dome Cameras

CD2151 Series



Specifications			
Models	CD2151-SCX1	CD2151-SCX	CD2151-SCH
Image Device	1/3" SONY HQ1 CCD		1/3" SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)		
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	520TVL	500TVL
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥48dB		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto Gain Control (AGC)	Auto		
Back Light Compensation (BLC)	Auto		
White Balance	Auto		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Exposure Mode	EE		
On Screen Display (OSD)	Yes	-	-
Lens Type	6mm		
IR LED	22pcs		
IR Effective Range	Max. 20m		
Power Supply	12VDC		
Power Consumption	300mA Max.		
Operating Temperature	-10°C – +50°C		
Dimensions	110mm (Φ) x 135mm (H)		
Weight	420g		



Specifications

Models	CD2151-SCC	CD2151-SAC	CD2151-HCC	CD2151-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	22pcs			
IR Effective Range	Max. 20m			
Power Supply	12VDC			
Power Consumption	300mA Max.			
Operating Temperature	-10°C – +50°C			
Dimensions	110mm (Φ) x 135mm (H)			
Weight	420g			

Specifications are subject to change without prior notice.

Indoor Mini Dome Cameras

CD2148 Series



Specifications				
Models	CD2148-SCC	CD2148-SAC	CD2148-HCC	CD2148-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)		
Sensing Area	4.9mm x 3.7mm		3.6mm x 3.7mm	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	1.0Lux/ F1.2		0.8Lux/ F1.2	1.0Lux/ F1.2
S/N Ratio	≥48dB (AGC Off)			
Video Output	1.0Vp-p/ 75Ω			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Lens Type	Standard: Board Lens 3.6mm			
Angle of View	90 deg.			
Housing	Indoor, Aluminium, Silver color			
Power Supply	12VDC			
Power Consumption	150mA Max.			
Operating Temperature	-10°C – 50°C			
Dimensions	60mm (Φ) x 55mm (H)			
Weight	120g			

Specifications are subject to change without prior notice.

Indoor Day & Night IR Dome Cameras

CD2143 Series



Specifications				
Models	CD2143-SCC	CD2143-SAC	CD2143-HCC	CD2143-HAC
Image Device	1/3" SONY Super HAD CCD	1/4" SONY CCD	1/3" SHARP CCD	1/4" SHARP CCD
Effective Pixels	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)		PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	420TVL			
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	6mm			
IR LED	23pcs			
IR Effective Range	Max. 18m			
Degree of Protection	IP55			
Power Supply	12VDC			
Power Consumption	300mA Max.			
Operating Temperature	-10°C – +50°C			
Dimensions	100mm (Φ) x 90mm (H)			
Weight	380g			

Specifications are subject to change without prior notice.

Outdoor Weatherproof Day & Night IR Dome Cameras

CD2140 Series



Specifications				
Models	CD2140-SCX	CD2140-SCH	CD2140-SCC	CD2140-SAC
Image Device	1/3" SONY HQ1 CCD	1/3" SONY Super HAD CCD		1/4" SONY CCD
Effective Pixels	PAL: 752 (H) x 582 (V)		PAL: 512 (H) x 582 (V)	
	NTSC: 768 (H) x 494 (V)		NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC			
Synchronization	Internal Synchronization			
Horizontal Resolution	520TVL	500TVL	420TVL	
Minimum Illumination	0Lux (IR On)			
S/N Ratio	≥48dB			
Video Output	1.0Vp-p/ 75Ω			
Gamma Correction	0.45			
Auto Gain Control (AGC)	Auto			
Back Light Compensation (BLC)	Auto			
White Balance	Auto			
Electronic Shutter	1/50 (1/60) - 1/100,000 sec			
Exposure Mode	EE			
Lens Type	4-9mm Manual Iris Lens			
Angle of View	54° -23°			
IR LED	36pcs			
IR Effective Range	Max. 30m			
Housing	Aluminium, White color, with external adjustable focus & zoom			
Degree of Protection	IP65			
Power Supply	12VDC			
Power Consumption	300mA Max.			
Operating Temperature	-10°C – +50°C			
Dimensions	119mm (Φ) x 90mm (H)			
Weight	730g			

Specifications are subject to change without prior notice.

3 Axis Day & Night IR Vari-focal Dome Cameras

CD2136 Series



Specifications			
Models	CD2136-07	CD2136-04	CD2136-03
Image Device	1/3" SONY CCD		1/4" SONY CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	420TVL	
Minimum Illumination	0Lux (IR On)		
S/N Ratio	≥48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto Gain Control (AGC)	On/ Off	Auto	
Back Light Compensation (BLC)	On/ Off		
White Balance	On/ Off		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Exposure Mode	EE		
Mirror image	On/ Off	-	-
Lens Type	3.5-8mm Manual Iris Lens		
IR LED	17pcs		
IR Effective Range	Max. 20m		
Power Supply	12VDC		
Power Consumption	230mA Max. (IR On); 100mA Max. (IR Off)		
Operating Temperature	-10°C – +50°C		
Dimensions	128mm (Φ) x 91mm (H)		
Weight	372g		
Special Features	3-Axis design, 4-DIP Switch, Low power consumption		

Specifications are subject to change without prior notice.

3-Axis Vari-focal Dome Cameras

CD2135 Series



Specifications			
Models	CD2135-07	CD2135-04	CD2135-03
Image Device	1/3" SONY CCD		1/4" SONY CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)	
Signal System	PAL/ NTSC		
Synchronization	Internal Synchronization		
Horizontal Resolution	520TVL	420TVL	
Minimum Illumination	0.1Lux		
S/N Ratio	≥48dB (AGC Off)		
Video Output	1.0Vp-p/ 75Ω		
Gamma Correction	0.45		
Auto Gain Control (AGC)	On/ Off	Auto	
Back Light Compensation (BLC)	On/ Off		
White Balance	On/ Off		
Electronic Shutter	1/50 (1/60) - 1/100,000 sec		
Exposure Mode	EE		
Mirror image	On/ Off	-	-
Lens Type	3.5-8mm Manual Iris Lens		
Power Supply	12VDC		
Power Consumption	100mA Max.		
Operating Temperature	-10°C – +50°C		
Dimensions	128mm (Φ) x 91mm (H)		
Weight	350g		
Special Features	3-Axis design, 4-DIP Switch, Low power consumption		

Specifications are subject to change without prior notice.

Ultra Wide Dynamic Range, 600TVL High Res. Box Camera

CF1598-SCU



Specifications	
Models	CF1598-SCU
Image Device	1/3" Sony DS CCD
Total Pixels	NTSC: 811 (H) × 508 (V), PAL: 795 (H) × 595 (V)
Effective Pixels	NTSC: 768 (H) × 494 (V), PAL: 752 (H) × 582 (V)
Signal System	PAL/ NTSC
Synchronization	Internal/ Line Lock
Scanning System	2:1 interlace
Horizontal Resolution	600TVL (Color), 700TVL (B/W)
Minimum Illumination	Color mode: 0.003Lux (Sense-Up OFF: 0.6Lux) B/W model 0.0001Lux (Sense-UP OFF: 0.1Lux)
S/N Ratio	≥ 52dB (AGC OFF)
Dynamic Range	52dB (x128)
Video Output	1.0Vp-p/75Ω
Gain Control	Low/ Middle/ High/ Off Selectable
Back Light Compensation (BLC)	WDR/ BLC/ OFF Selectable
White Balance	ATW/ AWC/ Manual/ Outdoor (1,800°K~10,500°K)/ Indoor (4,500°K~8,500°K)
Electronic Shutter	1/50(1/60) - 1/120,000 sec
Sense-Up	Auto/ Fixed/ Off (Selectable limit x2 ~ x512)
3D-DNR	Off/ On (1~63 Level adjustable)
Private Zone	On/ Off (8 Zone)
Motion Detection	On/ Off (8 Zone, Alarm Output)
On Screen Display (OSD)	Yes
Mirror (H-REV)	On/ Off
FLIP (V-REV)	On/ Off
Freeze	On/ Off
Sharpness	On/ Off (Level Adjustable)
D/N Selection	Color/ B&W/ Auto/ Exit
Stabilizer	On/ Off
Digital Zoom	On (x6)/ Off

Specifications	
Models	CF1598-SCU
Lens Type	CS mount
Iris Control	DC Drive
Blemish Compensation	256 Point (Even 128, Odd 128)
Power Supply	12VDC
Power Consumption	Max. 2W
Operating Temperature	-10°C ~ 50°C
Dimensions	122mm (L) x 75mm (W) x 65mm (H)
Weight	410g

Specifications are subject to change without prior notice.

Ultra Wide Dynamic Range, 560TVL High Res. Box Camera

CF1592-SCU1



Specifications	
Models	CF1592-SCU1
Image Device	1/3" SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) × 582 (V); NTSC: 768 (H) × 494 (V)
Signal System	PAL/ NTSC
Synchronization	Internal/ Line Lock
Horizontal Resolution	560TVL (Color) / 700TVL (B/W)
Minimum Illumination	0.002Lux (Sense-Up 256X)
S/N Ratio	≥ 50dB
Video Output	1.0Vp-p/75Ω
Language	NTSC: Korean/ English/ Spanish/ Japanese PAL: English/ French/ Spanish/ German/ Italian/ Chinese
Gamma Correction	Internal/ Line lock selectable
Wide Dynamic Range	Yes
Scanning Frequency	PAL: 15.625KHz; NTSC: 15.734KHz
Scanning System	2:1 Interface
Auto Gain Control (AGC)	High/ Medium/ Low/ Off
Back Light Compensation (BLC)	High/ Medium/ Low/ Off
DNR	High/ Medium/ Low/ Off
White Balance	ATW/ AWC/ Manual
Day & Night (Color)	On/ Auto
Sharpness	On/ Off
Electronic Shutter	1/50(1/60) - 1/120000 sec
Private Zone	8 Private Zone Areas
Motion Detection	8 Zone, Alarm Output
Privacy	On/ Off (4 & 8 Programmable Zones)
On Screen Display (OSD)	Yes
Alarm	Alarm out
Data Interface	RS485A/ RS485B
Lens Type	C/ CS Mount



Specifications	
Models	CF1592-SCU1
Power Supply	DC 5.2 ~ 40V/ AC 5~38V
Power Consumption	120mA
Operating Temperature	-10°C ~ 50°C
Dimensions (mm)	134mm (L) x 65mm (W) x 62mm (H)
Weight	560g

Specifications are subject to change without prior notice.

Indoor Box Camera

CF1135 Series



Specifications		
Models	CF1135-NCX1	CF1135-NCX
Image Device	1/3" SONY Super HAD CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	520TVL	
Minimum Illumination	0.5Lux	
S/N Ratio	≥ 48dB	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
Auto Gain Control (AGC)	On/ Off	
Back Light Compensation (BLC)	On/ Off	
White Balance	Fixed/ Manual/ Auto Selectable	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Lens Type	C/ CS Mount	
On Screen Display (OSD)	Yes	-
Power Supply	12VDC	
Power Consumption	350mA	
Operating Temperature	-10°C – 50°C	
Dimensions (mm)	108mm (L) x 65mm (W) x 55mm (H)	
Weight	400g	

Specifications are subject to change without prior notice.

Wide Dynamic Range, WDR Box Cameras

CF1133 Series



Specifications		
Models	CF1133-SCS	CF1133-DES
Image Device	1/3" SONY CCD	1/3" PIXIM DPS
Effective Pixels	PAL: 792 (H) x 698 (V) NTSC: 768 (H) x 494 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)
Signal System	PAL/ NTSC	
Synchronization	Internal	
Horizontal Resolution	540TVL	
Minimum Illumination	0.1Lux/ F1.2	0.5Lux/ F1.2
S/N Ratio	≥ 48dB	≥ 52dB
Video Output	1.0Vp-p/ 75Ω	
Color Repression	On/ Off	
Anti-Color Rolling	On/ Off	
WDR	Several operation mode selectable	
Mirror Image	Horizontal Reversal	
Acutance Control	Off / Low / Middle / High	
Gamma Correction	0.45	
Zoom	1x – 2.56x	-
Auto Gain Control (AGC)	On/ Off	
Back Light Compensation (BLC)	On/ Off	
White Balance	On/ Off	
Exposure Mode	EE	
Electronic Shutter	1/50(1/60) - 1/100000 sec	
Lens Type	C/ CS Mount	
Lens Driver	Video/ DC Switchable	
Iris Repression	On / Off	
Motion Detection	On / Off	
Privacy Zone	Horizontal/ Vertical position selectable Shade Color selectable	8 Zones setting
Power Supply	12VDC	

Specifications		
Models	CF1133-SCS	CF1133-DES
Power Consumption	350mA	
Operating Temperature	-10°C ~ +50°C	
Dimensions (mm)	120mm (L) x 65mm (W) x 66mm (H)	
Weight	430g	

Specifications are subject to change without prior notice.

Indoor High Res. Color Box Camera

CF1132-SCH



Specifications	
Models	CF1132-SCH
Image Device	1/3" SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)
Signal System	PAL/ NTSC
Synchronization	Internal Synchronization
Horizontal Resolution	500TVL
Minimum Illumination	0.5Lux
S/N Ratio	≥48dB
Video Output	1.0Vp-p/ 75Ω
Gamma Correction	0.45
Auto Gain Control (AGC)	On/ Off
Back Light Compensation (BLC)	On/ Off
White Balance	On/ Off
Electronic Shutter	1/50 (1/60) - 1/100,000 sec
Exposure Mode	EE/ AI
Auto Iris Control	Video/ DC Drive
Lens Type	C/ CS Mount
Power Supply	12VDC
Operating Temperature	-10°C – +50°C
Dimensions (mm)	115mm (L) x 57mm (W) x 58mm (H)
Weight	280g

Specifications are subject to change without prior notice.

Wide Dynamic Range, WDR Box Cameras

CF1131 Series



Specifications		
Models	CF1131-DES	CF1131-SCS
Image Device	1/3" PIXIM DPS	1/3" SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	
Signal System	PAL/ NTSC	
Synchronization	Internal/ External Synchronization	
Horizontal Resolution	540TVL (Color) / 570TVL (B/W)	540TVL
Minimum Illumination	0.5Lux/ F1.2 0.08Lux/ F1.2 (Slow Shutter)	0.001Lux
S/N Ratio	≥50dB	≥48dB
Video Output	1.0Vp-p/75Ω	
Day/ Night Function	Yes	-
Gamma Correction	0.45	
Auto Gain Control (AGC)	On/ Off	High/ Middle/ Low/ Off
Back Light Compensation (BLC)	On/ Off	High/ Middle/ Low/ Off
White Balance	On/ Off	ATW/ AWC/ Manual
Exposure Mode	EE	High/ Middle/ Low/ Off
Electronic Shutter	1/50(1/60) - 1/100000 sec	
Lens Type	C/ CS Mount	
Housing	Indoor, with external focus adjustment, silver color	
Power Supply	12VDC±5%	
Power Consumption	350mA	
Operating Temperature	-10°C – 50°C	
Dimensions (mm)	120mm (L) × 67mm (W) × 62mm (H)	
Weight	340g	

Specifications are subject to change without prior notice.

All-in-One 27x Zoom Camera

CA1004 Series



Specifications		
Models	CA1004-SAM	CA1004-SAC
Image Device	1/4" SONY ExView CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 492 (V)	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	480TVL	420TVL
Minimum Illumination	0.5Lux	0.8Lux
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	On/ Off	
White Balance	On/ Off	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	Auto	
Lens Type	27X Zoom Lens	
Focus Mode	Auto/ Manual	
Protocol	RS485 (Pelco D and P)	
Baud Rate	2400/ 9600	
On Screen Display (OSD)	Yes	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	108mm (L) x 61mm (W) x 71mm (H)	
Weight	310g	

Specifications are subject to change without prior notice.

All-in-One 270x (27x Optical, 10x Digital) Zoom Camera

CA1003 Series



Specifications		
Models	CA1003-SAM	CA1003-SAC
Image Device	1/4" SONY ExView CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 492 (V)	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	480TVL	420TVL
Minimum Illumination	0.5Lux	0.8Lux
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	On/ Off	
White Balance	Auto	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	Auto	
Lens Type	270X Power Zoom Lens (27x Optical, 10x Digital)	
Focus Mode	Auto	
Protocol	RS485 (Pelco D)	
On Screen Display (OSD)	Yes	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	120mm (L) x 62mm (W) x 67mm (H)	
Weight	550g	

Specifications are subject to change without prior notice.

All-in-One 27x Zoom Camera

CA1001 Series



Specifications		
Models	CA1001-SAM	CA1001-SAC
Image Device	1/4" SONY CCD	
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 492 (V)	PAL: 512 (H) x 582 (V) NTSC: 512 (H) x 492 (V)
Signal System	PAL/ NTSC	
Synchronization	Internal Synchronization	
Horizontal Resolution	480TVL	420TVL
Minimum Illumination	0.8Lux	
S/N Ratio	≥48dB	
Video Output	1.0Vp-p/ 75Ω	
Gamma Correction	0.45	
Auto Gain Control (AGC)	On/ Off	
Back Light Compensation (BLC)	Auto	
White Balance	On/ Off	
Electronic Shutter	1/50 (1/60) - 1/100,000 sec	
Exposure Mode	EE	
Lens Type	27X Zoom Lens	
Focus Mode	Auto	
Protocol	Pelco D	
On Screen Display (OSD)	Yes	
Power Supply	12VDC	
Operating Temperature	-10°C – +50°C	
Dimensions (mm)	103mm (L) x 60mm (W) x 60mm (H)	
Weight	320g	

Specifications are subject to change without prior notice.



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