

HD MS Camera

- ◆ Full HD 2 Megapixel WDR Sensor
- ◆ Video Format 1080p / 720p HD
- ◆ Support HD-SDI (SMPTE 292M)
- ◆ Aluminum Housing with Acrylic Window
- ◆ Depth Rating 2,000m
- ◆ Over Than 1,000TVL Resolution



Mini Camera

- ◆ Miniature Housing and Low Power Consumption
- ◆ Low Light Sensitivity 0.01 Lux
- ◆ High Resolution CCD Sensor up to 700 TVL
- ◆ Aluminum Housing with Acrylic Window
- ◆ Depth Rating 2,000m



Sea Observer HD Camera

- ◆ High Definition 20x Optical Zoom
- ◆ Full HD 3.27 Megapixel WDR Sensor
- ◆ Video Format 1080p / 1080i / 720p HD
- ◆ Aluminum Housing with Acrylic Window
- ◆ Support HD-SDI (SMPTE 296M / 292M / 274M)
- ◆ Depth Rating 2,000m



Discovery Camera-2000/4000

- ◆ 12x Optical Zoom
- ◆ Low Light Sensitivity 0.04 Lux
- ◆ Aluminum Housing with Acrylic Window
- ◆ High Resolution up to 680 TVL
- ◆ Depth Rating 2,000 / 4,000m



PTZ Camera

- ◆ 12x Optical Zoom
- ◆ Internal Pan, Tilt, Zoom Function Design
- ◆ High Resolution CCD Sensor up to 680 TVL
- ◆ Aluminum Housing with Acrylic Window
- ◆ Low Light Sensitivity 0.04 Lux
- ◆ Depth Rating 300m



Camera Series



➤ Electrical

Image Sensor	1/2.7" Type CMOS	1/2.8" Type CMOS	1/3" Super HAD CCD	1/4" Type CCD	1/4" Type CCD
WDR	Digital	Digital	Digital	Digital	Digital
DNR	Yes	Yes	Yes	Yes	Yes
White Balance	Automatic	Auto / ATW / Manual	Automatic	Auto / ATW / Manual	Auto / ATW / Manual
Auto Gain Control	Automatic	Automatic	Automatic	Automatic	Automatic
Day & Night	True D/N ICR Build in LED	True D/N ICR	Digital / Automatic	True D/N ICR	True D/N ICR
BLC	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes
Privacy Masking	Yes	Yes	Yes	Yes	Yes
Gamma	0.45	5 Options	0.45	0.45	0.45
Power Input	12 VDC 6 W	10 ~ 30 VDC	12 VDC 6 W	12 ~ 30 VDC 6 W	12 ~ 30 VDC 10 W
Video Input	HD-SDI BNC	Fiber	Composite 1.0Vp-p / 75 Ohms		
Resolution	1,000 TVL	1,000 TVL	700 TVL	680 TVL	680 TVL
Communication	N/A	Sony VISCA	N/A	RS-232 / RS-485 / Pelco D/P	
S/N Ratio	50db	50db	48db (AGC Off)	52db (AGC Off)	52db (AGC Off)
Electronic Shutter	1/30 ~ 1/50,000	1/1 ~ 1/10,000	1/60(1/50) ~ 1/120,000 sec (Auto / Fixed)		
Mini illumination	1 Lux	0.095 Lux	0.01 Lux	0.05 Lux	0.05 Lux

➤ Optics

Lens	F4mm / F1.6	20x F4.7 ~ 94mm F1.6 ~	F3.6mm / F2.0	12x F3.94 ~46.05mm	12x F3.94 ~46.05mm
Iris control	Fixed	Auto	Fixed	Auto	Auto
Focus	Fixed	Auto / Manual	Fixed	Auto / Manual	Auto / Manual
View of Angle	75°	55.4° ~ 2.9°	72.5°	H 51.5° ~ 4.49°	H 51.5° ~ 4.49°

➤ Environmental

Depth Rating	2,000 M	2,000 M	2,000 M	2,000 / 4,000 M	3,000 M
Operating Temp	-10 ~ 50 °C	-10 ~ 50 °C	-10 ~ 50 °C	-10 ~ 50 °C	-10 ~ 50 °C

➤ Mechanical

Dimensions	L 130 / D 52 mm	L 240 / D 98 mm	L 123 / D 38 mm	L 152.5 / D 70 mm	L 160 / D 125 mm
Weight in air	0.85kg	2.7kg	0.29kg	0.85kg	1.6kg
Weight in Water	0.26kg	1.3kg	0.16kg	0.26kg	0.8kg
Standard Housing	Hard Anodized 6061-T6	Hard Anodized 6061-T6	Hard Anodized 6061-T6	PC-S2-11 / PC-S2-12	Hard Anodized 6061-T6
Window Material	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Pan / Tilt	N / A	N / A	N / A	N / A	Pan:114°,Tilt:145°
Connector	Cable:WD-16-3	P/N:C1-01-06MB20	P/N:C1-01-04MB20	P/N:C1-01-06MB20	P/N:C1-01-06MB20
Connector / BIRNS	Millennium 3P	P/N:MCBH6M(6 Pins)	P/N:MCBH4M(4 Pins)	P/N:MCBH6M(6 Pins)	P/N:MCBH6M(6 Pins)



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