

WAT-2200 Mk-2

1/2.8" Professional 3G/HD-SDI Camera

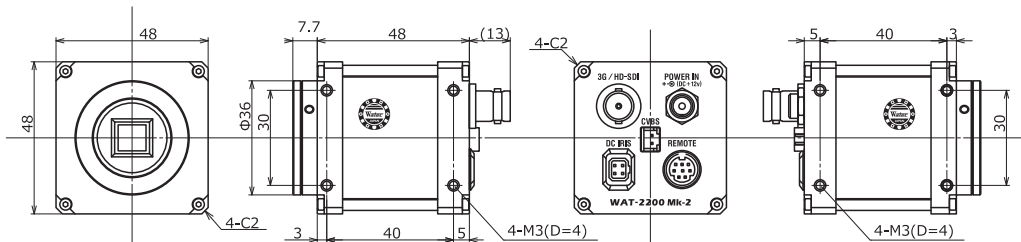
Fully upgraded all performance from WAT-2200



Key features

- 1/2.8-inch BSI CMOS image sensor with high sensitivity
- Min. illumination 0.006 lx F1.2 (AGC HIGH=72dB, Shutter=OFF)
0.0004 lx F1.2 (AGC HIGH=72dB, Shutter=x15)
- Sixteenfold increase in sensitivity than the previous model
- Full HD 1080/60p resolution with 3G-SDI/HD-SDI interface and low latency

Dimensions



Specifications

Pick-up Element		1/2.8 inch BSI CMOS image sensor	
Number of Effective Pixels		1945(H) × 1097(V)	
Unit Cell Size		2.9μm(H) × 2.9μm(V)	
Imaging System		RGB primary color bayer arrangement mosaic filter on chip	
Synchronizing System		Internal	
Scanning System		Progressive	
Video Outputs		3G-SDI, HD-SDI	
		Composite video:1.0 V(p-p) 75Ω (Unbalanced)	
Output Format		1080/60p, 1080/59.94p, 1080/50p, 1080/60i, 1080/59.94i, 1080/50i, 1080/30p, 1080/29.97p, 1080/25p,1080/24p, 720/60p, 720/59.94p, 720/50p, NTSC, PAL	
Resolution(H)		More than 1000TVL (Center)	
Min. Illumination		0.006 lx F1.2 (AGC HIGH=72dB, Shutter=OFF)	
		0.0004 lx F1.2 (AGC HIGH=72dB, Shutter=x15)	
S/N		More than 55dB (AGC OFF=0dB, γ=1.0)	
Function Setting		OSD : Remote controller, RS-232 (Pelco-D, Pelco-P), Communication: RS-232 (Pelco-D, Pelco-P, Visca)	
AE Mode	Fixed	x2, x3, x4, x5, x6, x7, x8, x9, x10, x12, x15 (frame)	
		1/30, 1/60, 1/120, 1/180, 1/240, 1/300 sec.*1	1/25, 1/50, 1/100, 1/150, 1/200, 1/250 sec.*2
		1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec.	
	EI	1/30 - 1/10000 sec.*1	1/25 - 1/10000 sec.*2
		x15 - 1/10000 sec.	
White Balance		ATW, PWB, MWB	
AGC	ON	0 - 36dB(LOW), 0 - 50dB(MID), 0 - 72dB(HIGH)	
	OFF	0dB	
MGC		0 - 72dB (5dB Step)	
Day/Night		—	
Gamma Characteristics		γ≠USER (Level adjustable)	
Noise Reduction		3DNR OFF/ON Level adjustable, 2DNR OFF/ON Level adjustable, 3D+2DNR ON Level adjustable	
Wide Dynamic Range		WDR OFF/ON Level adjustable, D-WDR OFF/ON Level adjustable	
Lens Iris		DC	
Back Light Compensation		BLC, HSBL	
White Blemish Correction		Up to 2046 pixels	
Sharpness		OFF/ON Level adjustable	
Defog		OFF/ON Level adjustable	
Digital Zoom		ZOOM (x1.01 - x6.00), PAN/TILT	
Privacy Mask		8 masks	
Mirror Image		OFF, V-FLIP, H-FLIP, HV-FLIP	
Freeze		OFF/ON	
Motion Detection		OFF/ON 4 areas arbitrarily configurable	
Neg. Image		OFF/ON	
Interface		BNC (3G/HD-SDI), 2P connector (Composite video), Power in, Auto iris, mini DIN8P (RC-02, RS-232)	
Power Supply		DC+12V ±10%	
Power Consumption		2.52W (210mA)	
Operating / Storage Temperature		-10 - +50℃ / -30 - +70℃	
Operating / Storage Humidity		95%RH or Less (Without condensation)	
Lens Mount		CS mount	
Weight		Approx. 130g	
Accessories		WPDC12-R (DC plug), 2P cable, Hex. wrench, Camera bracket, RC-02 (Remote control)	

*1 Output Format: 60/59.94/30fps

*2 Output Format: 50/25/24fps

