

WAT-2200 1/2.8" Professional 3G-SDI/HD-SDI Camera

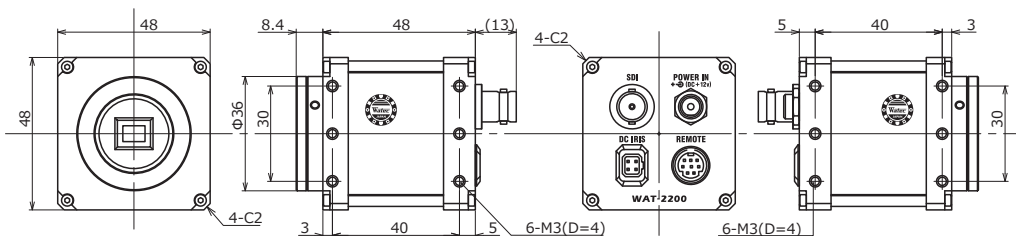
Full HD CMOS sensor



Key features

- 1/2.8-inch 2M CMOS image sensor with high sensitivity
- Min. illumination 0.1 lx F1.2 (AGC HIGH=66dB, Shutter=OFF)
- Full HD 1080/60p resolution with 3G-SDI/HD-SDI interface and low latency
- OSD (On Screen Display) – Easy installation through a controller provided in kit

Dimensions



Specifications

Pick-up element	1/2.8 inch CMOS image sensor	
Number of effective pixels	1944(H) × 1224(V)	
Unit cell size	2.8µm(H) × 2.8µm(V)	
Imaging system	RGB+W array mosaic filters on chip	
Synchronizing system	Internal	
Scanning system	Progressive	
Video outputs	3G-SDI (SMPTE424M Compatible, LevelA, YCbCr4:2:2 10bit)	
	HD-SDI (SMPTE292M Compatible, YCbCr4:2:2 10bit)	
Output format	1080/60p, 1080/59.94p, 1080/50p, 1080/60i, 1080/59.94i, 1080/50i, 1080/30p, 1080/29.97p, 1080/25p, 720/60p, 720/59.94p, 720/50p	
Minimum illumination	0.1 lx F1.2 (AGC HIGH=66dB, Shutter=OFF)	
S/N	More than 50dB (AGC OFF=0dB, γ=1.0)	
Function settings	OSD : Remote controller, Communication : RS-232	
AE mode	Fixed	1/60*, 1/100, 1/120, 1/200, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec. ※Depends on Output format.
	EI	1/60* - 1/10000 sec. ※Depends on Output format.
White balance	ATW, PWB, MWB, PRESET (3200K, 4300K, 5100K, 6300K)	
AGC	ON	0 - 32dB (LOW), 0 - 42dB (MID), 0 - 66dB (HIGH)
	OFF	—
MGC	0-30dB (2dB step)	
Day/Night	—	
Noise reduction	2DNR OFF/ON Level adjustable	
Wide dynamic range	D-WDR OFF/ON Level adjustable	
Lens iris	DC	
Back light compensation	BLC	
White blemish correction	Up to 1023 pixels	
Sharpness	Level adjustable	
Defog	OFF/ON	
Digital zoom	—	
Privacy mask	16 masks	
Mirror image	OFF, V-FLIP, H-FLIP, HV-FLIP	
Freeze	—	
Motion detection	—	
Neg.image	—	
Interface	BNC (HD-SDI), Power in, Auto iris, miniDIN8P (RC-02, RS-232)	
Power supply	DC+12V±10%	
Power consumption	2.64W (220mA)	
Operating temperature	-10 - +50°C	
Storage temperature	-30 - +70°C	
Operating / Storage humidity	95% RH or less (Without condensation)	
Lens mount	CS mount	
Weight	Approx. 135g	
Accessories	WPDC12-R (DC plug), Hex. wrench, Camera bracket, RC-02 (Remote control)	

