

WAT-2300 1/2.8" HD-TVI Camera

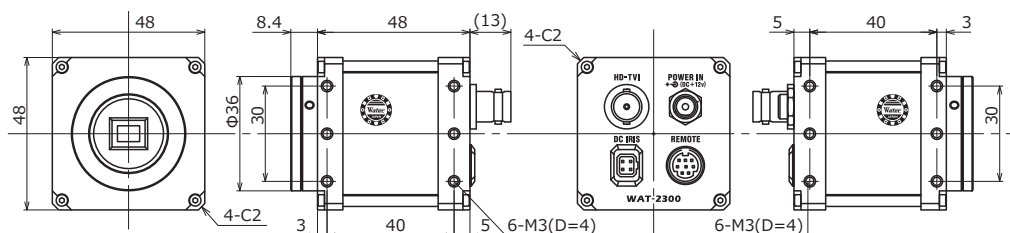
Full HD CMOS sensor



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 1080/30p resolution with HD-TVI, Analog-HD, interface and low latency & degradation
- Long distance transmission without boost (3C-2V:150m, 5C-2V:300m)
- Existing infrastructure doesn't need to be replaced, just change their old analog cameras and DVRs to TVI cameras and DVRs to get a brand new 1080p surveillance system without extra cost
- 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 output	HD-TVI	
Output format	1080/30p, 1080/25p, 720/60p, 720/50p, 720/30p, 720/25p	
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	1/30*, 1/100, 1/120, 1/200, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec. ※Depends on Output format.
	EI	1/30* - 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-TVI), Power in, Auto iris, miniDIN8P (RC-02, RS-232)	
Power supply	DC+12V±10%	
Power consumption	1.92W (160mA)	
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)	

Accessories Options

CS-mount lenses

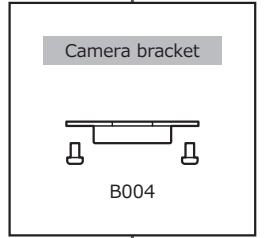
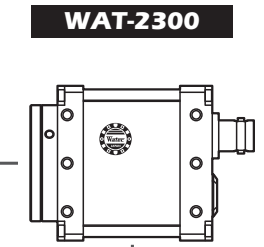
M13VG288IR M13VG850IR
AG3Z2812FCS-MPWIR AG4Z1214FCS-MPIR

Miniature lenses / Mount adaptors

M2520BC-12 M2920BC-12
M3718BC-12 M0620BC-12 29PMA-M12-125
M0820BC-12

C-mount adaptor

C-mount lenses
34CMA-R
※Not in our lineup



Stands

MS50 WH-31 WH-11 WH-21

WAT-2300

VIDEO OUT (BNC)
POWER IN (DC12V)

REMOTE

RS-232

Remote control

RC-02

Cable

3C2V (BNC/BNC)

DVR ※Not in our lineup
HDMI cable ※Not in our lineup

Monitor
※Not in our lineup

Power supply adaptors

SWI12-12-N-P5 SWI12-12-E-P5

Cable

CB-03

PC
PC
※Not in our lineup

Water resistant camera housing / Mounting brackets

VCHO-15S WH-6N PTP-300