

# WAT-2300

1/2.8" HD-TVI Color Camera

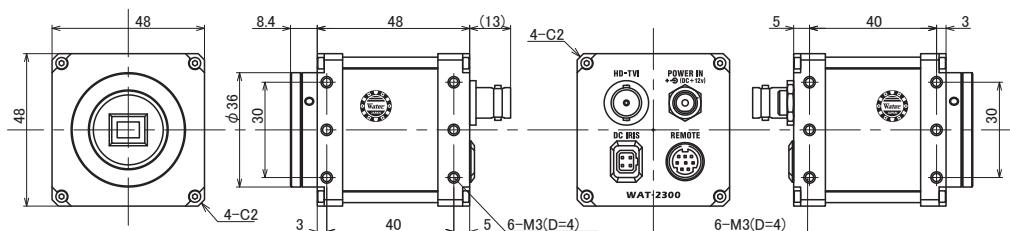
Full HD CMOS sensor



## Key features

- 1/2.8-inch 2M CMOS image sensor with 0.1 lux native light sensitivity
- Digital interface HD-TVI without latency and degradation, HD resolution of 1080p30 Full HD
- Long transmission distance 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
- White blemish correction, Defog, Mirror Image, RS-232 compatible
- 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 total pixels	1952(H) × 1236(V)
Number of effective pixels	1080i/1080p: 1920(H) × 1080(V) / 720p: 1280(H) × 720(V)
Unit cell size	2.8 μm × 2.8 μm
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
S/N	More than 50dB
Function settings	OSD (On Screen Display) / RS-232, Remote controller
AE mode	E.I+AGC, AGC, FL, MANUAL
Shutter speed	OFF, FL, 1/200, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec.
Flickerless mode	AUTO, 50Hz, 60Hz, OFF
White balance	ATW, PWB, Preset, MANUAL
AGC	HIGH, MEDIUM, LOW
MGC	0 - 30dB
Gamma characteristics	ON / OFF
Noise reduction	HIGH, MEDIUM, LOW, OFF
Wide dynamic range	ON (ATR) / OFF
Lens iris	DC
Back light compensation	ON / OFF
White blemish correction	Max. 1023 dots
Defog	ON / OFF
Mirror image	ON (H-FLIP, V-FLIP, ROTATE) / OFF
Power supply	DC+12V±10%
Power consumption	1.92W/160mA (720p60)
Operating temperature	-10 - +50°C
Storage temperature	-30 - +70°C
Operating / Storage humidity	95% RH or less (Without condensation)
Lens mount	CS mount (Back focus adjustable)
Weight	Approx. 130g
Accessories	WPDC12-R (DC plug), Hex. wrench, RC-02 (Remote controller), Tripod adaptor

Accessories Options

**CS-mount lenses**

M13VG288IR M13VG850IR

**Miniature lenses / Mount adaptors**

M2520BC-12 M2920BC-12  
M3718BC-12 M4318BC-12 29PMA-M12-125  
M0620BC-12 M0820BC-12

**C-mount adaptor**

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

**WAT-2300**

**Camera bracket**

B004

**Stands**

MS50 WH-31 WH-11 WH-21

**Remote control**

RC-02

**Cable**

3C2V (BNC/BNC)

**DVR**

DVR

**HDMI cable**  
※Not in our lineup

HDMI cable  
※Not in our lineup

**Monitor**  
※Not in our lineup

**Power supply adapters**

GF12-US1210

G051T-120050B-1

**Cable**

CB-03

**PC**

PC

**PC**

PC  
※Not in our lineup

**Water resistant camera housing / Mounting brackets**

VCHO-15S

WH-6N

PTP-300