

WAT-2200

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

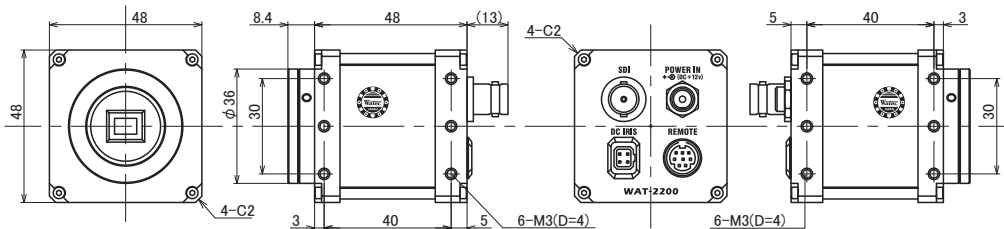
Full HD CMOS sensor



Key features

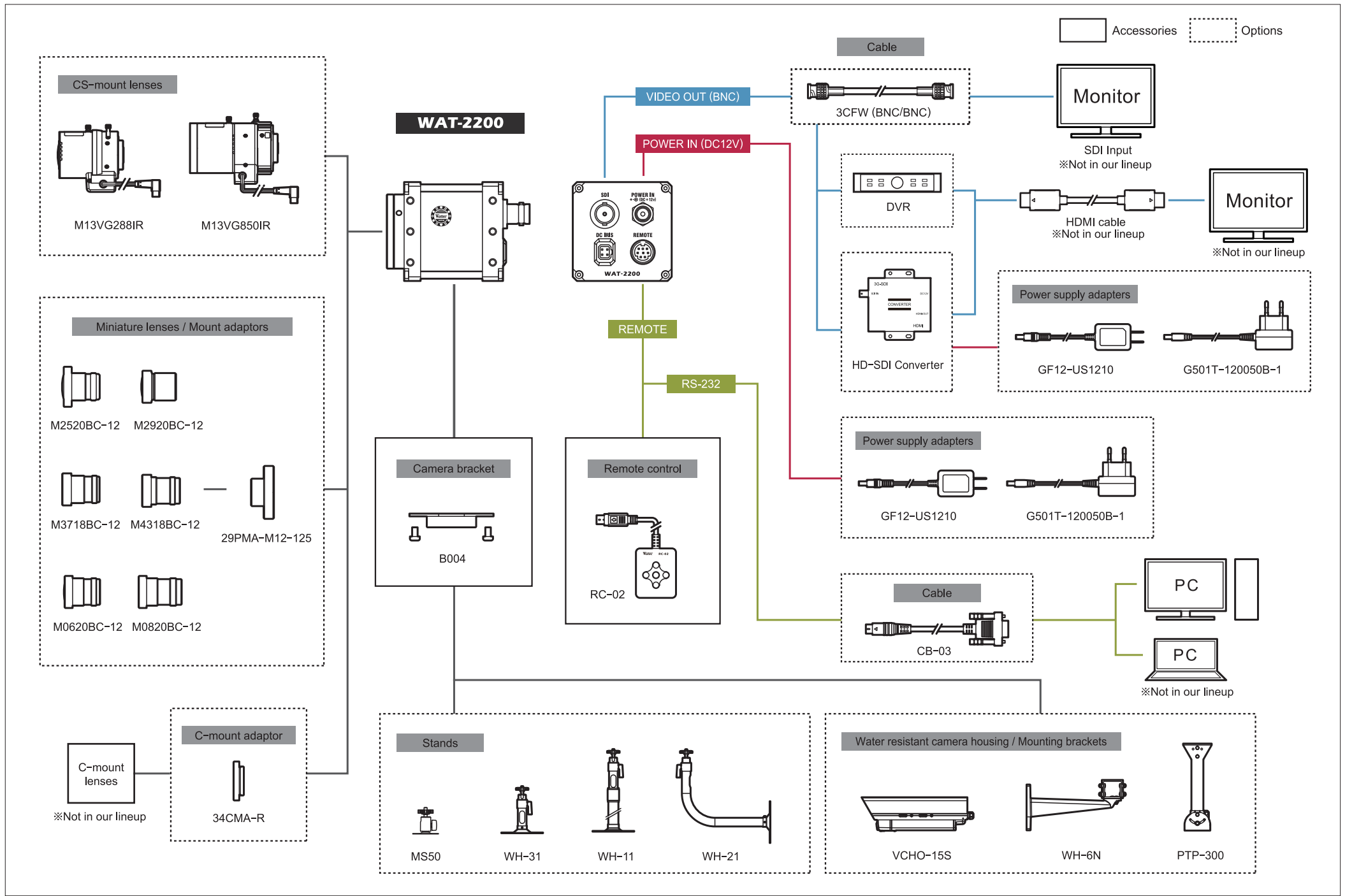
- 1/2.8-inch 2M CMOS image sensor with 0.1 lux native light sensitivity
- Digital interface 3G-SDI/HD-SDI without latency, HD resolution of 1080p60 Full HD
- 2D noise reduction, wide dynamic range
- White blemish correction, defog, mirror image, RS-232 compatible
- OSD (On screen display) – Easy installation 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	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
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	2.22W/185mA (1080i60), 2.64W/220mA (1080p60)
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. 135g
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 lenses

※Not in our lineup

C-mount adaptor

34CMA-R

WAT-2200

Camera bracket

B004

Remote control

RC-02

VIDEO OUT (BNC)
 POWER IN (DC12V)
 SDI POWER IN (DC12V)
 DC IN REMOTE
 WAT-2200
 REMOTE
 RS-232

Stands

MS50 WH-31 WH-11 WH-21

Water resistant camera housing / Mounting brackets

VCHO-15S WH-6N PTP-300

Cable

3CFW (BNC/BNC)

DVR

HD-SDI Converter

Power supply adapters

GF12-US1210 G501T-120050B-1

Power supply adapters

GF12-US1210 G501T-120050B-1

Cable

CB-03

Monitor

SDI Input
※Not in our lineup

Monitor

HDMI cable
※Not in our lineup

※Not in our lineup

PC

PC

PC

※Not in our lineup