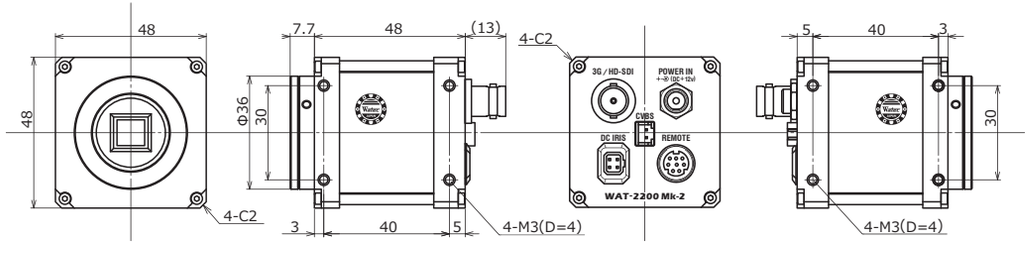
WAT-2200 Mk-2 1/2.8” Professional 3G/HD-SDI Camera

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



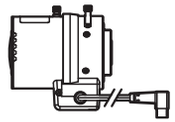
Specifications

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, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec.*1
		1/25, 1/50, 1/100, 1/150, 1/200, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec.*2
	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, HSBLC
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)

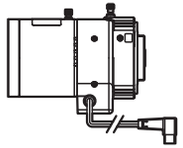
*1 Output Format: 60/59.94/30fps *2 Output Format: 50/25/24fps

Accessories
Options

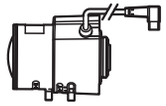
CS-mount lenses



M13VG288IR

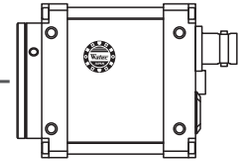


M13VG850IR

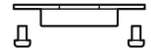


AG3Z2812FCS-MPWIR

WAT-2200Mk-2



Camera bracket



B004

Miniature lenses / Mount adaptors

M2520BC-12

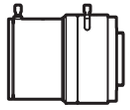
M3620BC-12

29PMA-M12-125

M0620BC-12

M1625BC-12

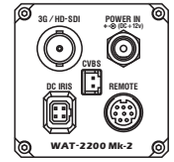
C-mount lenses



*Not in our lineup

C-mount adaptor

34CMA-R



VIDEO OUT (BNC)

Cable

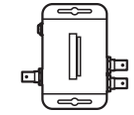
3CFW (BNC/BNC)

Monitor

SDI Input
*Not in our lineup

DVR
*Not in our lineup

HD-SDI Converter



VPC-SH5STD

HDMI cable
*Not in our lineup

Monitor

*Not in our lineup

POWER IN (DC+12V)

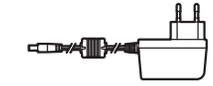
CVBS

Cable

2P Cable (300mm)

Power supply adaptors

SWI12-12-N-P5



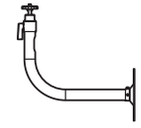
SWI12-12-E-P5

Stands

MS50

WH-31

WH-11



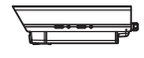
WH-21

REMOTE

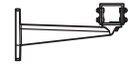
Remote controller

RC-02

Water resistant camera housing / Mounting brackets



VCHO-15S

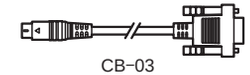


WH-6N

PTP-300

RS-232

Cable



CB-03

PC

PC

*Not in our lineup