

# WAT-231S2 1/3" High Sensitivity Camera

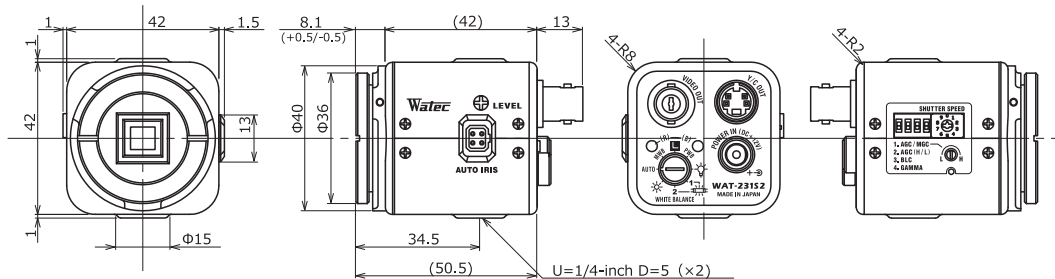
Multi-function and high-performance model



## Key features

- 1/3-inch CCD sensor with high sensitivity 0.02 lx F1.2 and resolution 540TVL
- Versatile use for general surveillance, microscope application and embedded system
- Flicker suppression electric iris controls flicker and exposure at the same time
- White balance, white blemish correction, back light compensation

## Dimensions

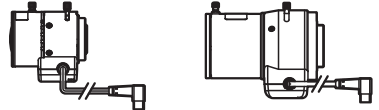


## Specifications

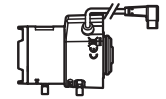
Video standard	NTSC	PAL
Pick-up element	1/3 inch interline transfer CCD image sensor	
Number of effective pixels	768(H) × 494(V)	752(H) × 582(V)
Unit cell size	6.35μm(H) × 7.4μm(V)	6.5μm(H) × 6.25μm(V)
Imaging system	Ye, Cy, Mg, and G complementary color mosaic filters on chip	
Synchronizing system	Internal	
Scanning system	2:1 interlace	
Video outputs	Composite: 1.0 V(p-p) 75Ω (Unbalanced) Y/C OUT : Y: 1.0V(p-p), C: 0.3V(p-p) 75Ω	
Resolution (H)	More than 540TVL (Center)	
Minimum illumination	0.02 lx F1.2 (AGC HIGH=38dB, Shutter=OFF)	
S/N	More than 50dB (AGC OFF=0dB, γ=1.0)	
Function settings	DIP Switch	
AE mode	Fixed	1/60, 1/100 sec.      1/50, 1/120 sec.
	EI	1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.
White balance	ON	1/60 - 1/100000 sec.      1/50 - 1/100000 sec.
	OFF	ATW, PWB, MWB, PRESET (3200K, 4300K, 5100K, 6300K)
AGC	ON	0 - 32dB (LOW), 0 - 38dB (HIGH)
	OFF	0dB
MGC		0 - 32dB
Day/Night		—
Gamma characteristics		γ≠0.45, 1.0
Video level	100IRE	95IRE
Noise reduction		—
Wide dynamic range		—
Lens iris		Video / DC (EIAJ), Auto-select
Back light compensation		BLC
White blemish correction		Up to 32 pixels
Sharpness		—
Defog		—
Digital zoom		—
Privacy mask		—
Mirror image		—
Freeze		—
Motion detection		—
Neg.image		—
Interface	BNC (Composite Video), Y/C OUT, Power in	
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 (Back focus adjustable)	
Weight	Approx. 140g	
Accessories	WPDC12 (DC plug), AIC-G (Iris plug), Hex. wrench	

Options

CS-mount lenses

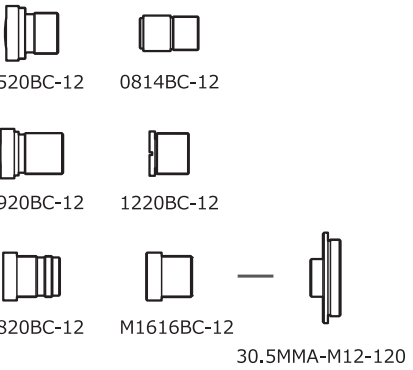


13VG308ASIR II      13VG1040ASIR



TG4Z2813FCS-IR-2

Miniature lenses / Mount adaptors



2520BC-12      0814BC-12

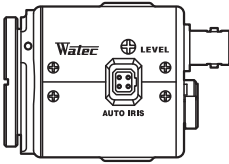
2920BC-12      1220BC-12

3820BC-12      M1616BC-12      30.5MMA-M12-120

0625BC-12      2540EX014-M12

0820BC-12

WAT-231S2



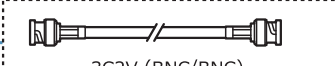
VIDEO OUT (BNC)

VIDEO OUT (Y/C)

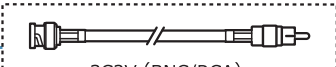
POWER IN (DC12V)



Cables



3C2V (BNC/BNC)



3C2V (BNC/RCA)



Y/C cable

※Not in our lineup

BNC

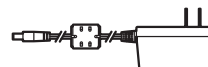
RCA

Y/C



※Not in our lineup

Power supply adaptors



SWI12-12-N-P5



SWI12-12-E-P5

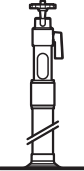
Stands



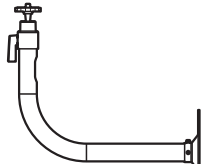
MS50



WH-31

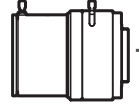


WH-11



WH-21

C-mount lenses



※Not in our lineup

C-mount adaptor



34CMA-R

Water resistant camera housing / Mounting brackets



VCHO-15S



WH-6N



PTP-300