

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

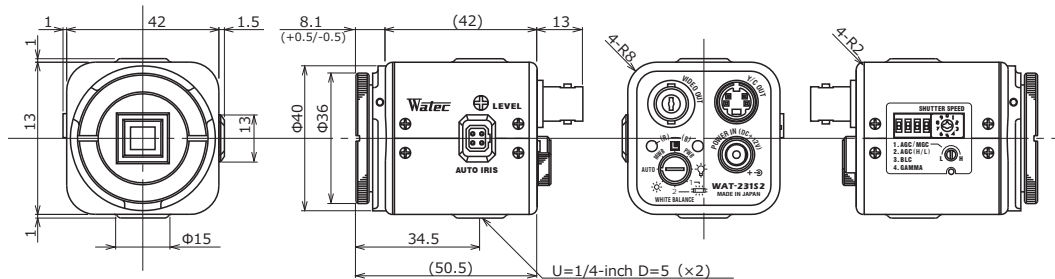
Multi-function and high-performance model



## 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

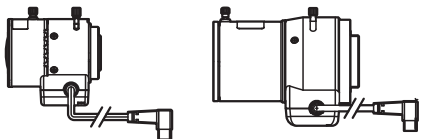


## Specifications

Video standard		NTSC	PAL
Pick-up element		1/3 inch interline transfer CCD image sensor	
Number of total pixels		811(H) × 508(V)	795(H) × 596(V)
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	BNC	Composite: 1.0 V(p-p) 75Ω (Unbalanced)	
	Y/C	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=ON)	
S/N		50dB 以上 (AGC=0dB, γ=1.0)	
AE mode	Fixed	1/60, 1/100 sec.	1/50, 1/120 sec.
		1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000 sec.	
	EI	1/60 - 1/100000 sec.	1/50 - 1/100000 sec.
		FL: 1/60 - 1/100000 sec. (Flicker suppression)	FL: 1/50 - 1/100000 sec. (Flicker suppression)
White balance		ATW (Color rolling suppression), PWB, MWB, PRESET (3200K, 4300K, 5100K, 6300K)	
AGC		HI: 0 - 38dB / LO: 0 - 32dB	
MGC		0 - 32dB	
Gamma characteristics		γ≈0.45 (ON) / γ=1.0 (OFF)	
Lens iris		Video / DC (EIAJ, Auto-select)	
Back light compensation		ON / OFF	
White blemish correction		Max 32 dots	
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	

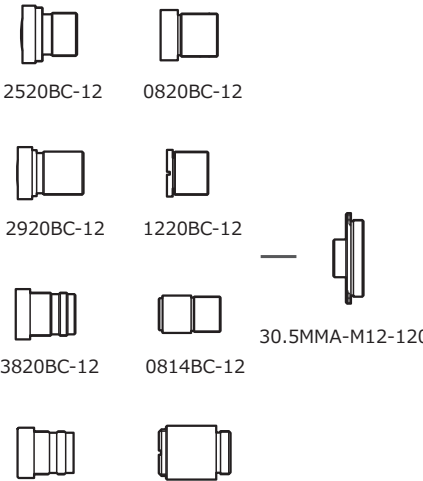
Options

**CS-mount lenses**



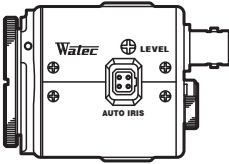
13VG308ASIR II    13VG1040ASIR

**Miniature lenses / Mount adaptors**



2520BC-12    0820BC-12  
2920BC-12    1220BC-12  
3820BC-12    0814BC-12  
0625BC-12    2540EX014-M12  
30.5MMA-M12-120

**WAT-231S2**



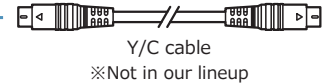
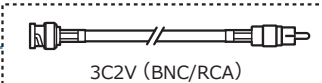
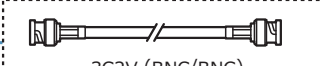
VIDEO OUT (BNC)

VIDEO OUT (Y/C)

POWER IN (DC12V)



**Cables**



BNC

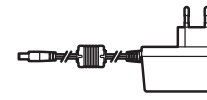
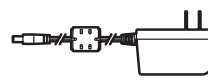
RCA

Y/C



※Not in our lineup

**Power supply adapters**



**Stands**



C-mount Lenses

※Not in our lineup

**C-mount adaptor**



**Water resistant camera housing / Mounting brackets**

