

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

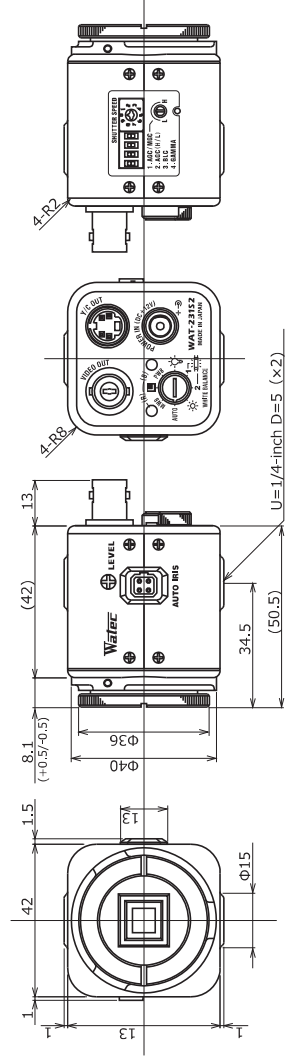
Multi-function and high-performance model



## 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

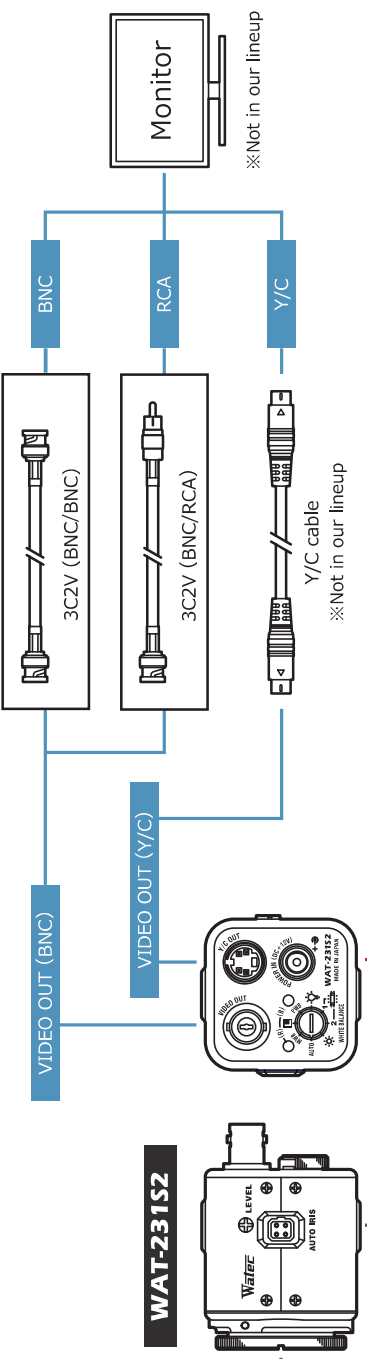


## Specifications

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)	
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: 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)	
	Fixed	1/60, 1/100 sec.
AE mode	1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000, 1/1000000 sec.	
	EI	1/60 - 1/1000000 sec.
White balance	FL: 1/50 - 1/1000000 sec. (Flicker suppression)	
AGC	ATW (Color rolling suppression), PWB, MWB, PRESET (3200K, 4300K, 5100K, 6300K)	
MGC	HI: 0 - 38dB / LO: 0 - 32dB	
Gamma characteristics	Y: 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	WPC12 (DC plug), AIC-G (Iris plug), Hex wrench	

Options

Cables



**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

**Power supply adapters**

SWI12-12-N-P5      SWI12-12-E-P5

**Stands**

MS50      WH-31      WH-11      WH-21

**Water resistant camera housing / Mounting brackets**

VCHO-15S      WH-6N      PTP-300

**C-mount adaptor**

34CMA-R

C-mount Lenses  
※Not in our lineup