

# WAT-221S2 1/2" Multi-function & High Sensitivity Camera

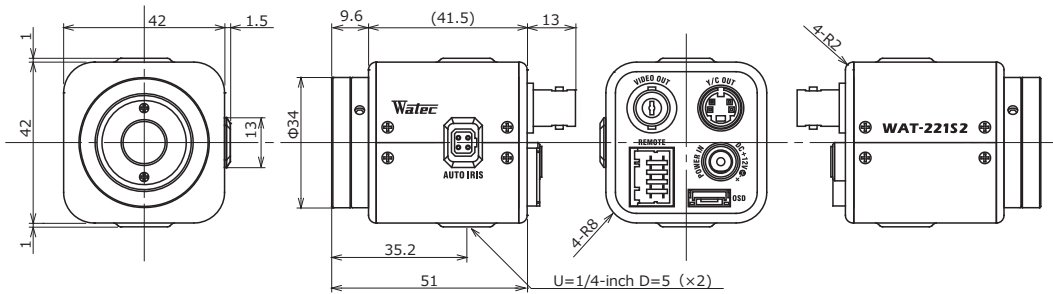
Advanced setting for general surveillance, embedded system and research study



## Key features

- 1/2-inch CCD sensor with high sensitivity
- Min. illumination 0.006 lx F1.2 (AGC HIGH=44dB, shutter=OFF, NR=ON)
- 3DNR, wide dynamic range, HSBLC (Highlight Suppression Back Light Compensation)
- White blemish correction, slow-shutter, privacy masking and RS-485 (Pelco-D) compatible
- OSD (On Screen Display) – Easy installation through a remote control provided in kit

## Dimensions



## Specifications

Video standard	PAL	
Pick-up element	1/2 inch interline transfer CCD image sensor	
Number of effective pixels	752(H) × 582(V)	
Unit cell size	8.6µm(H) × 8.3µm(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 550TVL (Center)	
Minimum illumination	0.006 lx F1.2 (AGC HIGH=44dB, Shutter=OFF, NR=ON)	
	0.0004 lx F1.2 (AGC HIGH=44dB, Shutter=x16, NR=ON)	
S/N	More than 55dB (AGC OFF=-3dB, γ=1.0)	
Function settings	OSD : Remote controller, RS-485 (Pelco-D), Communication : RS-485 (Pelco-D)	
AE mode	Fixed	x2, x4, x8, x16, x32, x64, x128, x256 (field)
		1/50, 1/120 sec.
	EI	1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.
White balance	1/50 - 1/100000 sec.	
	x16 - 1/1000000 sec.	
AGC	ON	ATW, AWB, ACR, PWB, PRESET (3200K, 4300K, 5100K, 6300K)
	OFF	-3 - 32dB (LOW), -3 - 44dB (HIGH)
MGC		-3dB
Day/Night		-3 - 44dB (1dB step)
Gamma characteristics		γ=0.35, 0.4, 0.45, 0.5, 0.55, 0.6, 0.7, 0.8, 1.0
Video level		Adjustable
Noise reduction		3DNR OFF/ON Level adjustable
Wide dynamic range		D-WDR OFF/ON Level adjustable
Lens iris		Video / DC (EIAJ, Auto-select)
Back light compensation		BLC, HSBLC
White blemish correction		Up to 64 pixels
Sharpness		Level adjustable
Defog		OFF/ON Level adjustable
Digital zoom		ZOOM (x2 - x256), PAN/TILT
Privacy mask		4 masks
Mirror image		OFF, V-FLIP, H-FLIP, HV-FLIP
Freeze		—
Motion detection		OFF/ON Select from 96 detection areas
Neg.image		—
Interface	BNC (Composite Video), Y/C OUT, Power in, Remote control (RC-01), REMOTE (Alarm, RS-485)	
Power supply	DC+12V±10%	
Power consumption	1.32W (110mA)	
Operating temperature	-10 - +50°C	
Storage temperature	-30 - +70°C	
Operating / Storage humidity	95% RH or less (Without condensation)	
Lens mount	CS mount	
Weight	Approx. 150g	
Accessories	WPDC12 (DC plug), AIC-G (Iris plug), Hex. wrench, RC-01 (Remote control), I/O cable	

