

WAT-233 1/3" True Day/Night Camera

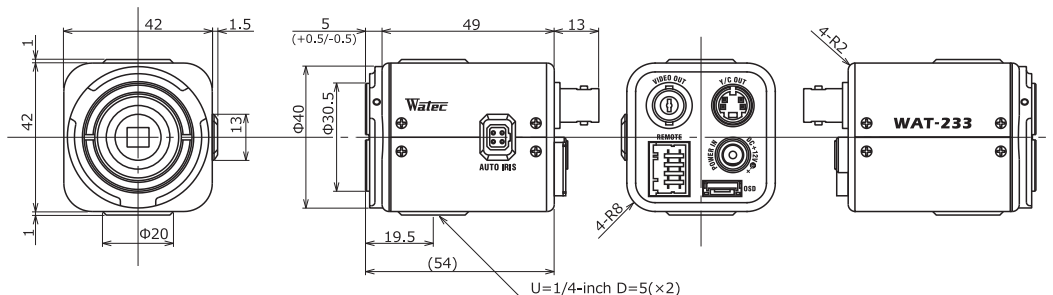
Day/Night and WDR offers the best solution for demanding scene conditions



Key features

- 1/3-inch high Sensitivity 960H CCD sensor supports 650 TVL
- Wide dynamic range by adopting dual-shutter method
- 3DNR, privacy masking, defog, 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	1/3 inch interline transfer CCD image sensor
Number of effective pixels	976(H) × 582(V)
Unit cell size	5.0μm(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 650TVL (Center)
Minimum illumination	Color
	0.01 lx F1.2 (AGC HIGH=44dB, Shutter=OFF, NR=ON)
	0.0006 lx F1.2 (AGC HIGH=44dB, Shutter=x16, NR=ON)
	0.0005 lx F1.2 (AGC HIGH=44dB, Shutter=OFF, NR=ON)
S/N	Monochrome
	0.00003 lx F1.2 (AGC HIGH=44dB, Shutter=x16, NR=ON)
	More than 50dB (AGC OFF=2dB, 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.
	1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.
White balance	EI
	1/50 - 1/100000 sec.
	x16 - 1/100000 sec.
	ATW, AWB, ACR, PWB, PRESET (3200K, 4300K, 5100K, 6300K)
AGC	ON
	2 - 32dB (LOW), 2 - 44dB (HIGH)
MGC	OFF
	2dB
Day/Night	2 - 44dB (1dB step)
	Mechanical Auto, Manual, External
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	WDR OFF/ON Level adjustable
Lens iris	Video / DC (EIAJ, Auto-select)
Back light compensation	BLC, HSBL
White blemish correction	Up to 64 pixels
Sharpness	Level adjustable
Defog	OFF/ON Level adjustable
Digital zoom	ZOOM (x2 - x256), PAN/TILT
Privacy mask	15 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, DAY/NIGHT, RS-485)
Power supply	DC+12V±10%
Power consumption	1.62W (135mA)
Operating temperature	-10 - +50℃
Storage temperature	-30 - +70℃
Operating / Storage humidity	95% RH or less (Without condensation)
Lens mount	CS mount (Back focus adjustable)
Weight	Approx. 150g
Accessories	WPDC12 (DC plug), AIC-G (Iris plug), Hex. wrench, RC-01 (Remote control), I/O cable

