

SPECIFICATIONS

Model		WAT-233 (NTSC)	WAT-233 (PAL)
Pick-up element		1/3 inch 960H interline transfer CCD image sensor	
Number of total pixels		1028(H) × 508(V)	1028(H) × 596(V)
Number of effective pixels		976(H) × 494(V)	976(H) × 582(V)
Unit cell size		5.0μm(H) × 7.4μm(V)	5.0μm(H) × 6.25μm(V)
Synchronizing system		Internal	
Scanning system		2:1 interlace	
Video output	Composite	Composite video 1.0 V(p-p), 75Ω, unbalanced	
	Y/C	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=ON, Shutter=OFF, NR=ON, $\gamma=0.45$)	
		0.0006 lx F1.2 (AGC=ON, Shutter=x16, NR=ON, $\gamma=0.45$)	
	Monochrome	0.0005 lx. F1.2 (AGC=ON, Shutter=OFF, NR=ON, $\gamma=0.45$)	
		0.00003 lx. F1.2 (AGC=ON, Shutter=x16, NR=ON, $\gamma=0.45$)	
S/N		More than 50dB (AGC=2dB, $\gamma=1.0$)	
Function settings / Serial port		OSD (On Screen Display) / RS-485 (Pelco-D)	
AE mode	Fixed	x2, x4, x8, x16, x32, x64, x128, x256 (field)	
		1/60, 1/100 sec.	1/50, 1/120 sec.
		1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.	
	EI	1/60 - 1/100000 sec.	1/50 - 1/100000 sec.
		x16 - 1/100000 sec.	
White balance		ATW, PWB, MWB, PRESET (4 types)	
AGC		HI: 2~44dB / LO: 2~32dB	
MGC		2~44dB (1dB step)	
Day/Night		Auto (Level selectable) / Manual / External	
Gamma characteristics		9 steps setting (1.0/0.8/0.7/0.6/0.55/0.5/0.45/0.4/0.35)	
Noise reduction		3DNR ON (Level selectable) / OFF	
Wide dynamic range		ON (Level selectable) / OFF	
Lens iris		Video/DC	
Back light compensation		ON / OFF	
HSBLC(Highlight BLC)		ON / OFF	
White blemish correction		Up to 64 pixels	
Digital zoom		x 2 - 256 (ZOOM / PAN / TILT)	
Mirror image		V-FLIP / H-FLIP / HV-FLIP	
Power supply		DC+12V±10%	
Power consumption		1.62W (135mA)	
Operating temperature		-10 - +50°C	
Storage temperature		-30 - +70°C	
Operating / Storage humidity		Less than 95% RH (Without condensation)	
Lens mount		CS mount (Back focus adjustable)	
Weight		Approx. 150g	

※Design and specifications are subject to change without notice.