

SPECIFICATIONS

Model	WAT-1000 (NTSC)		WAT-1000 (PAL)	
Pick-up element	1/3 inch DPS image sensor			
Number of total pixels	742 (H) × 552 (V)			
Number of effective pixels	720 (H) × 540 (V)			
Unit cell size	7.0μm(H) × 7.0μm(V)			
Imaging system	RGB bayer array mosaic filters on chip			
Synchronizing system	Internal			
Scanning system	Progressive			
Video output	Composite	CVBS: 1.0 V(p-p), 75 Ω, Interlace, unbalanced		
	Y/C	Y: 1.0 V(p-p), 75 Ω, C: 0.3 V(p-p) 75 Ω, Interlace, unbalanced		
Resolution (H)	Horizontal	More than 520TVL (Center)		
	Vertical	More than 460TVL (Center)		
Dynamic range	102dB(Typical), 120dB(Max.)			
Minimum illumination	Color	0.1 lx. F1.2 (AGC HI, 1/30 sec.)	0.1 lx. F1.2 (AGC HI, 1/25 sec.)	
	Monochrome	0.003 lx. F1.2 (AGC HI, 1/30 sec.)	0.003 lx. F1.2 (AGC HI, 1/25 sec.)	
S/N	More than 48dB			
AE mode	EI	1/30 - 1/30,000 sec.	1/25 - 1/30,000 sec.	
	FL	ON / OFF		
	Slow shutter	x2 - x32		
White balance	ATW, PWB, Manual, Preset			
Gain	HI: 0 - 40dB / LO: 0 - 22dB / MGC			
Day/Night	Auto(Adjustable) / Manual / External			
Gamma characteristics	$\gamma \cong 0.45(\text{ON}) / \gamma = 1.0(\text{OFF})$			
Communication interface	RS-232 (Compatible)			
Lens iris	Video / DC (EIAJ arrangement, Auto-select)			
Back light compensation	ON / OFF			
Mirror image	ON / OFF			
Power supply	DC+12V±10%			
Power consumption	2.28W (190mA)			
Operating temperature	-10 - +50°C (Without condensation)			
Storage temperature	-30 - +70°C (Without condensation)			
Operating / Storage humidity	Less than 95% RH			
Lens mount	CS mount (Back focus adjustable)			
Weight	Approx. 155g			

※Design and specifications are subject to change without notice.

DIMENSIONS (mm)

