

## Wide Dynamic Day & Night Camera

# WAT-1000

### 【Features】

- Wide dynamic range
- High resolution
- Smear free
- Others (OSD, RS-232C)



Model (Type)	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	7.0 μm (H) × 7.0 μm (V)	
Synchronizing system	Internal	
Scanning system	Progressive	
Video output	Composit: CVBS 1.0Vp-p / Y/C: 1.0Vp-p 75 Ω (Y), 0.3Vp-p 75 Ω (C) (Unbalanced)	
Resolution (H)	H: 520TVL (Center) / V: 460TVL (Center)	
Dynamic range	102dB (Typical), 120dB (Max.)	
Minimum illumination	Color: 0.1lx, F1.2 / Monochrome: 0.003lx, F1.2 (AGC HI, 1/30 Sec.)	
S/N	48dB or more	
Electronic iris	1/30-1/30000 (Sec.)	1/25-1/30000 (Sec.)
AE mode	FL	ON / OFF
Slow shutter	× 2 - × 32	
White balance	ATW, PWB, Manual, Preset	
AGC	HI: 0-40dB / LO: 0-22dB	
MGC	0-40dB (1dB step)	
Day & Night function	Auto (Adjustable) / Manual / External	
Gamma correction	ON: $\gamma \approx 0.45$ / OFF: $\gamma \approx 1.0$	
Serial port	RS-232C	
Lens iris	Video / DC (EIAJ arrangement, Auto-select)	
Back light compensation	ON / OFF	
Inverted image	ON / OFF	
Power supply	DC+12V ± 10%	
Power consumption	2.8W (230mA)	
Operating temperature	-10°C - +40 °C (Without condensation)	
Storage temperature	-30°C - +70 °C (Without condensation)	
Operating/Storage humidity	95% or less	
Lens mount	CS (Back focus adjustable)	
Weight	Approx. 125g	

### Dimensions (mm)

