

# WAT-221S DSP Color camera

## 【SPECIFICATIONS】

Model	WAT-221S (NTSC, PAL)
Pick-up element	1/2inch Interline transfer CCD image sensor
Number of total pixels	811(H) × 508(V) (NTSC); 795(H) × 596(V) (PAL)
Number of effective pixels	768(H) × 494(V) (NTSC); 752(H) × 582(V) (PAL)
Unit cell size	8.4 μm(H) × 9.8 μm(V) (NTSC); 8.6 μm(H) × 8.3 μm(V) (PAL)
Scanning system	2:1 interlace
Synchronizing system	Internal
Video output	Composite Video, 1 Vp-p, 75ohm Unbalanced Y/C output(Y:Video Sync, C:Chroma Burst)
Video Level	100IRE / 75IRE selectable
Resolution(Horizontal)	Composite out : 450TV lines(center) Y/C out : 480TV lines(center)
Minimum illumination	0.1 lx. F1.2 (AGC High)
Gamma correction	$\gamma \approx 0.45$ (ON) / 1.0 (OFF)
AGC	ON=8~36dB(High), 8~24dB(Low) / OFF=8dB
S/N Ratio	50dB(AGC OFF)
AE mode	OFF, FL, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000sec. EI 1(1/60~1/10000sec.NTSC), EI 1(1/50~1/10000sec. PAL) EI 2(1/100~1/10000sec.)
Back light compensation	ON / OFF selectable
White balance	Auto trace, Preset: 3200K, 4300K, 5100K, 6300K Push lock White Balance, Manual White Balance(2500K ~ 9500K)
Lens mount	CS-mount/C-mount(with 34CMA-R)
Auto iris	Video / DC drive Auto select
Installation screw	U 1/4inch (D=5mm) (Top/Bottom)
Connection terminal	Video out(BNC), Video out(Y/C), Power, Auto iris
Power supply	DC +10.8~13.2V (recommendation DC+12V±10%)
Current	max. 190mA (at DC+12.0V)
Operating temperature	-10°C ~ +40°C
Storage temperature	-30°C ~ +70°C
Dimensions	43.5(W) × 44.0(H) × 64.5(D)mm
Weight	Approx. 160g
Accessories	DC plug(WPDC12), Hex key wrench, Iris-plug(AIC-G)

## 【DIMENSIONS】 (mm)

