

WAT-920CS 1/3" Super-High Sensitivity Miniature Camera

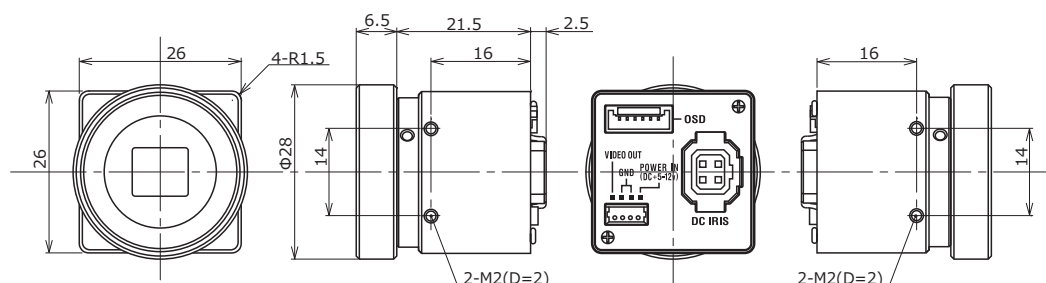
Ultra-compact design only 26 x 26mm for limited space and embedded application



Key features

- Min. illumination 0.00006 lx F1.4 (AGC 48dB, SENS UP ON)
- Wide input voltage range (*DC 5V to 12V)
- Advanced setting available by OSD (On Screen Display) through an optional controller

Dimensions



Specifications

Preliminary

Video standard		EIA	CCIR
Pick-up element		1/3 inch interline transfer CCD image sensor	
Number of effective pixels		768(H) × 494(V)	752(H) × 582(V)
Unit cell size		6.4μm(H) × 7.5μm(V)	6.5μm(H) × 6.3μm(V)
Synchronizing system		Internal	
Scanning system		2:1 interlace	
Video output		Composite: 1.0 V(p-p) 75Ω, Unbalanced	
Resolution (H)		More than 570TVL (Center)	
Minimum illumination		0.00006 lx F1.4 (AGC=48dB, SENS UP ON)	
S/N		More than 50dB	
Function settings		OSD (On Screen Display) operated by optional remote controller	
AE mode	Fixed	x2, x4, x8, x16, x32, x64, x128, x256 (field)	
		1/60, 1/120 sec.	1/50, 1/100 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.
Flickerless		8FLD - 1/100000 sec. (SENS UP ON)	
AGC		OFF, ON, AUTO	
MGC		0 - 42dB (Selectable)	
Gamma characteristics		6, 12, 18, 24, 30, 36, 42, 48dB	
Noise reduction		γ≈0.45	
Wide dynamic range		2D+3DNR (Level selectable)	
Motion detection		ON (ATR) / OFF	
Lens iris		ON / OFF	
Back light compensation		DC	
White blemish correction		OFF / BLC / HLC	
Defog		Max 64 dots	
Digital zoom		ON (Level selectable) / OFF	
Privacy mask		ON (x1 - x256, Magnification selectable) / OFF	
Mirror image		15 masks	
Sharpness		OFF / H-FLIP / V-FLIP / HV-FLIP	
Power supply		0 - 15 (SHARPNESS)	
Operating temperature		DC+5 - +12V	
Storage temperature		0.95W/190mA(DC+5V), 0.96W/80mA(DC+12V)	
Operating / Storage humidity		-10 - +50°C	
Lens mount		-30 - +70°C	
Weight		95% RH or less (Without condensation)	
Accessories		CS mount	
		Approx. 22g	
		AIC-G (Iris plug), 4P cable, Camera bracket, Hex. wrench	

