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

Preliminary

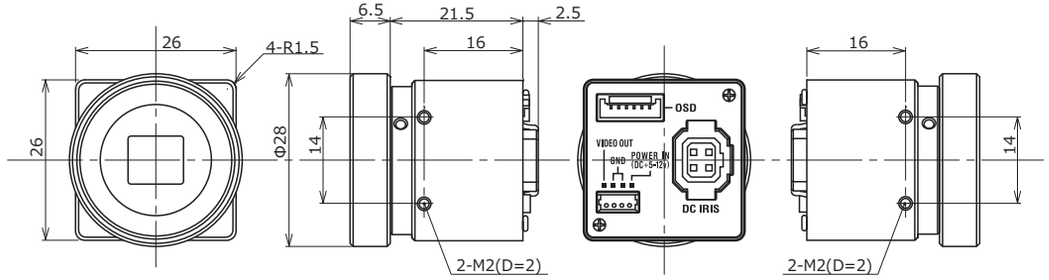
Ultra-compact design only 26 x 26mm for limited space and embedded application



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



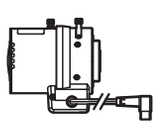
Specifications

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.	
		1/60 - 1/100000 sec.	1/50 - 1/100000 sec.
	EI	8FLD - 1/100000 sec. (SENS UP ON)	
Flickerless		OFF, ON, AUTO	
AGC		0 - 42dB (Selectable)	
MGC		6, 12, 18, 24, 30, 36, 42, 48dB	
Gamma characteristics		γ≒0.45	
Noise reduction		2D+3DNR (Level selectable)	
Wide dynamic range		ON (ATR) / OFF	
Motion detection		ON / OFF	
Lens iris		DC	
Back light compensation		OFF / BLC / HLC	
White blemish correction		Max 64 dots	
Defog		ON (Level selectable) / OFF	
Digital zoom		ON (x1 - x256, Magnification selectable) / OFF	
Privacy mask		15 masks	
Mirror image		OFF / H-FLIP / V-FLIP / HV-FLIP	
Sharpness		0 - 15 (SHARPNESS)	
Power supply		DC+5 - +12V	
Power consumption		0.95W/190mA(DC+5V), 0.96W/80mA(DC+12V)	
Operating temperature		-10 - +50℃	
Storage temperature		-30 - +70℃	
Operating / Storage humidity		95% RH or less (Without condensation)	
Lens mount		CS mount	
Weight		Approx. 22g	
Accessories		AIC-G (Iris plug), 4P cable, Camera bracket, Hex. wrench	

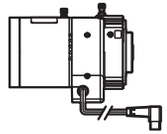
Accessories
Options

WAT-920CS

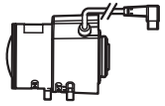
CS-mount lenses



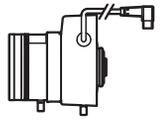
M13VG288IR



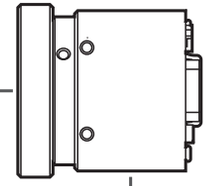
M13VG850IR

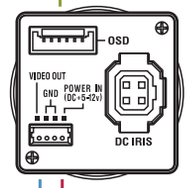


AG3Z2812FCS-MPWIR



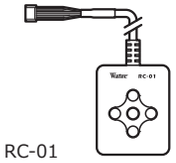
AG4Z1214FCS-MPIR



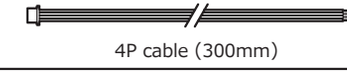


OSD

Remote control



RC-01

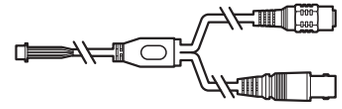


4P cable (300mm)

VIDEO OUT

POWER IN (5-12V)

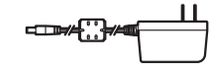
Cable with connectors



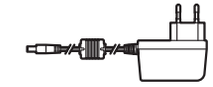
CB-01

POWER IN (DC12V)

Power supply adaptors



SWI12-12-N-P5



SWI12-12-E-P5

C-mount lenses

※Not in our lineup

C-mount adaptor



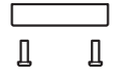
30CMA-R

Stand



MS50

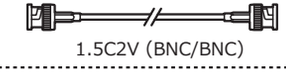
Camera bracket



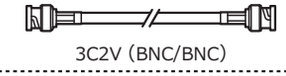
B005

VIDEO OUT (BNC)

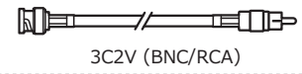
Cable



1.5C2V (BNC/BNC)



3C2V (BNC/BNC)



3C2V (BNC/RCA)

VIDEO OUT (BNC)

VIDEO OUT (RCA)

Monitor

※Not in our lineup