WAT-2500

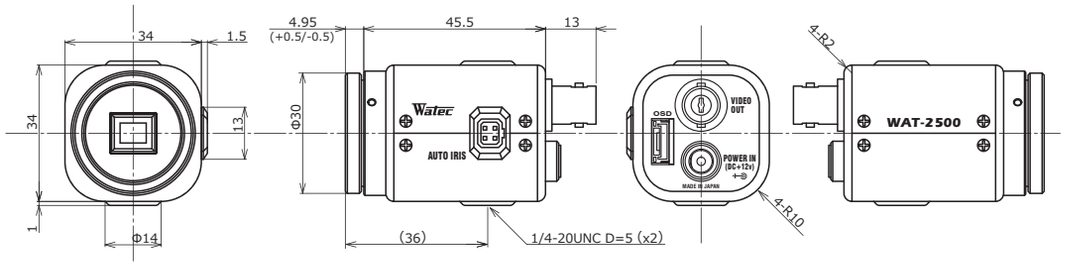
1/2.8” Multi-function Compact High Sensitivity Analog Color Camera

Typical design model with multi-functions in a small body

Key features

- 1/2.8-inch BSI CMOS image sensor with high sensitivity
- Advanced setting available by OSD (On Screen Display) through an optional remote controller
- Min. illumination 0.0065 lx F1.2 (AGC HIGH=72dB, Shutter=OFF)
  0.0004 lx F1.2 (AGC HIGH=72dB, Shutter=x15)

Dimensions



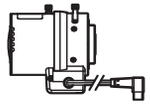
Specifications

Video standard		NTSC	PAL
Pick-up element		1/2.8 inch BSI CMOS image sensor	
Number of effective pixels		1945(H) × 1097(V) *1	
Unit cell size		2.9μm(H) × 2.9μm(V)	
Imaging system		RGB primary color bayer arrangement mosaic filter on chip	
Synchronizing system		Internal	
Scanning system		Progressive	
Video output		Composite: 1.0 V(p-p) 75Ω (Unbalanced)	
Setup level		7.5 IRE	0 IRE
Resolution (H)		More than 570TVL (Center)	
Minimum illumination		0.0065 lx F1.2 (AGC HIGH=72dB, Shutter=OFF)	
		0.0004 lx F1.2 (AGC HIGH=72dB, Shutter=x15)	
S/N		More than 45dB (AGC OFF=0dB, γ=1.0)	
Function settings		OSD : Remote controller	
AE mode	Fixed	x2, x3, x4, x5, x6, x7, x8, x9, x10, x12, x15 (frame)	
		1/30, 1/60, 1/120, 1/180, 1/240, 1/300 sec.	1/25, 1/50, 1/100, 1/150, 1/200, 1/250 sec.
		1/500, 1/1000, 1/2000, 1/5000, 1/10000 sec.	
	EI	1/30 - 1/10000 sec.	1/25 - 1/10000 sec.
		x15 - 1/10000 sec.	
White balance		ATW, PWB, MWB	
AGC	ON	0 - 36dB (LOW), 0 - 50dB (MID), 0 - 72dB (HIGH)	
	OFF	0dB	
MGC		0 - 72dB (5dB step)	
Day/Night		—	
Gamma characteristics		γ≒USER (Level adjustable)	
Video level		—	
Noise reduction		3DNR OFF/ON Level adjustable, 2DNR OFF/ON Level adjustable, 3D+2DNR ON Level adjustable	
Wide dynamic range		WDR OFF/ON Level adjustable, D-WDR OFF/ON Level adjustable	
Lens iris		DC	
Back light compensation		BLC, HSBLC	
White blemish correction		Up to 2046 pixels	
Sharpness		OFF/ON Level adjustable	
Defog		OFF/ON Level adjustable	
Digital zoom		ZOOM (x1.01 - x6.00), PAN/TILT	
Privacy mask		8 masks	
Mirror image		OFF, V-FLIP, H-FLIP, HV-FLIP	
Freeze		OFF/ON	
Motion detection		—	
Neg.image		OFF/ON	
Interface		BNC (Composite video), Power in, Remote controller (RC-01), Auto iris	
Power supply		DC+12V±10%	
Power consumption		2.04W (170mA)	
Operating / Storage temperature		-10 - +50℃ / -30 - +70℃	
Operating / Storage humidity		95%RH or less (Without condensation)	
Lens mount		CS mount (Back focus adjustable)	
Weight		Approx. 78g	
Accessories		WPDC12 (DC plug), Hex. wrench	

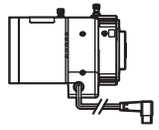
*1: The output is cut out according to the video standard.

Accessories
Options

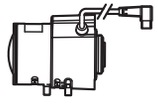
CS-mount lenses



M13VG288IR



M13VG850IR



AG3Z2812FCS-MPWIR

Miniature lenses / Mount adaptors

M2520BC-12

M2920BC-12

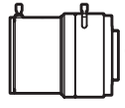
M3620BC-12

M0620BC-12

28MMA-M12-155

M1625BC-12

C-mount lenses

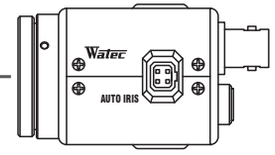


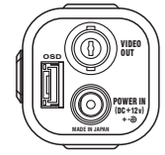
*Not in our lineup

C-mount adaptor

30CMA-R

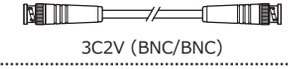
WAT-2500



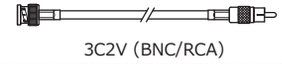


VIDEO OUT (BNC)

Cable



3C2V (BNC/BNC)



3C2V (BNC/RCA)

BNC

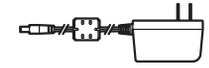
RCA

Monitor

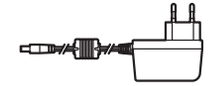
*Not in our lineup

POWER IN (DC+12V)

Power supply adaptors



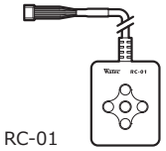
SWI12-12-N-P5



SWI12-12-E-P5

OSD

Remote controller



RC-01

Stands

MS50

WH-31

WH-11

WH-21

Water resistant camera housing / Mounting brackets

VCHO-15S

WH-6N

PTP-300