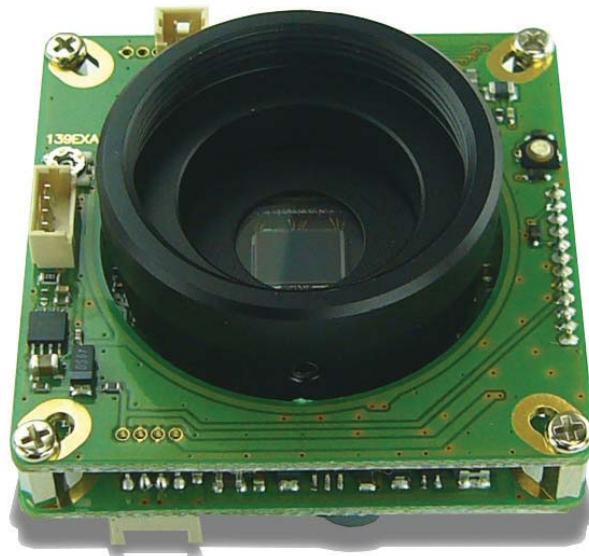


***W*atec**

W-01MAB2



9) Set the ⑥FUNCTION SWITCHES according to your environment.
When AGC is selected, set the gain level by ⑦HI/LO SWITCH FOR GAIN LEVEL. When the AGC is OFF(MGC), adjust the gain level by ⑥MGC VOLUME ADJUSTMENT.

Switch	Setting	Effect	Upon Shipment
1. Gamma Correction	ON	Applicable to a general surveillance monitoring system	✓
	OFF	When gamma correction is not required for image processing	
2. AGC	ON	When sensitivity is more important than SN ratio, and when an auto iris lens can not be used for general surveillance purposes.	✓
	OFF (MGC)	When the environment is constant without change of illumination and when a fixed gain level is required.	

10) When the external sync. function is required, input the composite video or the composite sync. signal to ③SYNC IN. The range of the level for composite sync. is 0.2 to 2.0(p-p). The camera has a resistance of 10k Ω. When more than 75Ω termination is required for impedance matching, add the additional Ωs to the external sync. signal line.

Options

To purchase these options , please contact the distributor or dealer from which you purchased the W-01MAB2.



AC Adaptor (AD901-120/230)

The recommended AC adaptors for the W-01MAB2 for a constant and stable power supply. This adaptor is for one camera only.



C-mount Adaptor (30CMA-R)

This lens mount adaptor is used to convert a CS-mount to a C-mount.

Specifications

Model	W-01MAB2 (EIA)	W-01MAB2 (CCIR)
Pick-up Element	1/2 inch interline transfer CCD image sensor	
Number of Total Pixels	811(H) × 508(V)	795(H) × 596(V)
Number of Effective Pixels	768(H) × 494(V)	752(H) × 582(V)
Unit Cell Size	8.4μm(H) × 9.8μm(V)	8.6μm(H) × 8.3μm(V)
Sync. System	Internal / External (CVBS, VBS, BBS)	
Scanning System	2:1 interlace	
Video Output	Composite video, 1.0V(p-p) 75Ω (Unbalanced)	
External Sync. System	C. video / C. sync.	
External Sync. Signal Level	Sync. Signal portion 0.2-2.0V(p-p)	
Resolution (H)	More than 570TVL (Center)	
Minimum Illumination	0.0003 lx F1.4	
S/N	More than 50dB (AGC=5dB, γ=1.0)	
AE Mode	OFF	1/60 sec.
	FL	1/100 sec.
	ES	1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000 sec.
	EI	1/60 - 1/100000 sec. 1/50 - 1/100000 sec. 1/100 - 1/100000 sec. 1/120 - 1/100000 sec.
AGC	HI: 5 - 50 / LO: 5 - 32dB	
MGC	HI: 32 - 50 / LO: 5 - 32dB	
Gamma Characteristics	γ ≒ 0.45(ON) / γ = 1.0(OFF)	
Power Supply	DC+12V ± 10%	
Power Consumption	1.56W (130mA)	
Operating Temperature	-10 - 40°C	
Operating Humidity	Less than 95% RH (Without condensation)	
Storage Temperature	-30 - 70°C	
Storage Humidity	Less than 95% RH (Without condensation)	
Lens Mount Size	42(W) × 42(H) × 21(L) (mm)	
Weight	Approx. 35g	

- Design and specifications are subject to change without notice.
- Watec is not responsible for any inconvenience or the attendant damages to the video and monitoring recording equipment caused by misuse, mis-operation or improper wiring of our equipment.
- If for any reason the W-01MAB2 does not work properly, or if you have any questions regarding installation or operation, please contact the distributor or dealer from which it was purchased.

Contact information

Watec **Watec Co., Ltd.**

TEL: (+86)0755-86657548 FAX: (+86)0755-86657548
Email: sales@viewsec.tv.com
URL: http://www.watecoptic.com

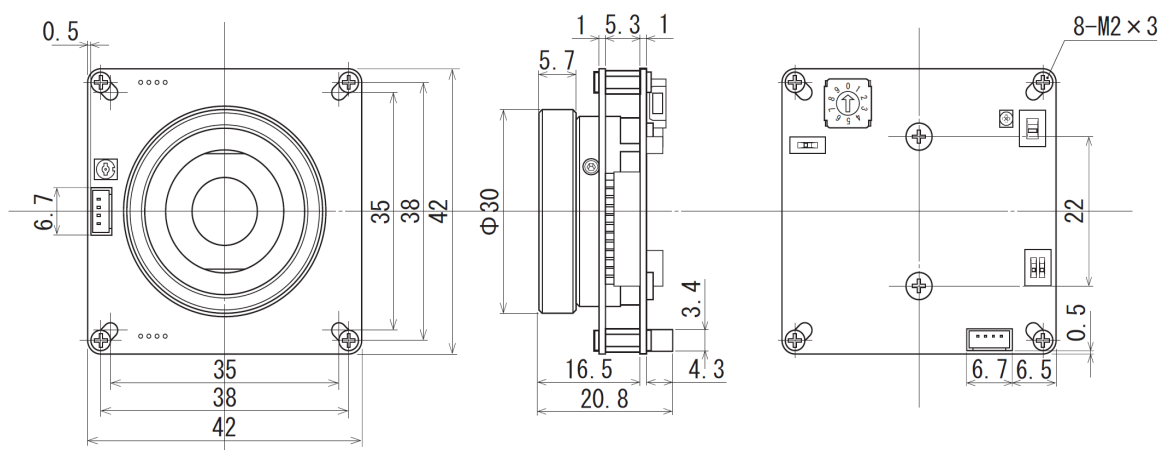
1392Z00-Y2200003

SPECIFICATIONS

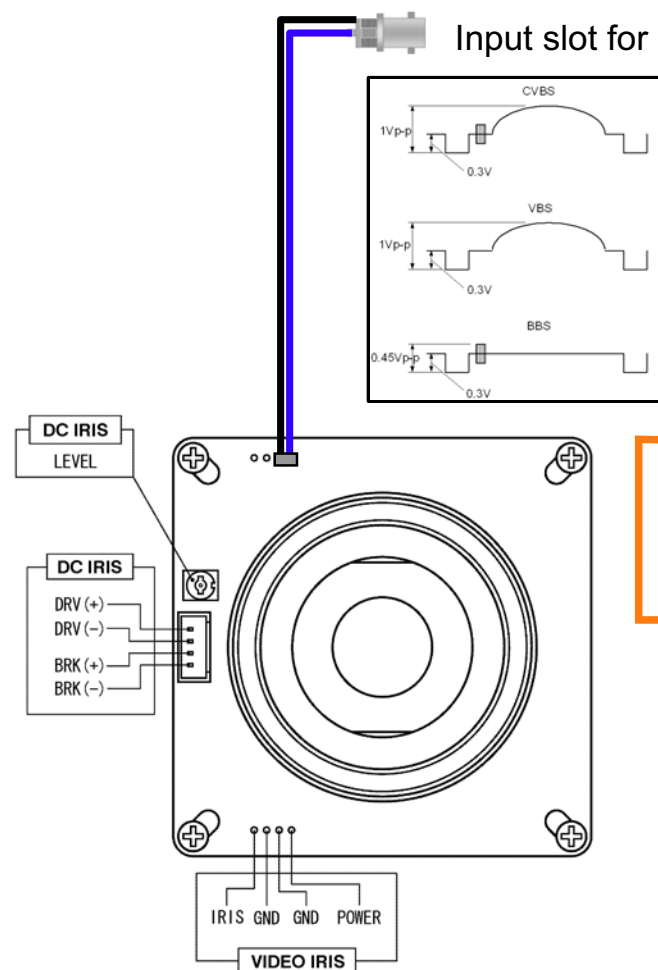
Model		W-01MAB2 (EIA)	W-01MAB2 (CCIR)
Pick-up element		1/2 inch interline transfer CCD image sensor	
Number of total pixels		811(H) × 508(V)	795(H) × 596(V)
Number of effective pixels		768(H) × 494(V)	752(H) × 582(V)
Unit cell size		8.4μm(H) × 9.8μm(V)	8.6μm(H) × 8.3μm(V)
Synchronizing system		Internal / External (CVBS, VBS, BBS)	
Scanning system		2:1 interlace	
Video output		Composite Video, 1Vp-p, 75ohms, unbalanced	
Resolution (Horizontal)		570TVL (Center)	
Minimum illumination		0.0003lx F1.4	
S/N		More than 50dB (AGC=5dB, γ=1.0)	
AE mode	Fixed	1/60, 1/100sec.	1/50, 1/120sec.
		1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000 sec.	
	EI	1/60 - 1/100000 sec.	1/50 - 1/100000 sec.
		1/100 - 1/100000 sec.	1/120 - 1/100000 sec.
AGC		HI: 5 - 50dB / LO: 5 - 32dB	
MGC		HI: 32 - 50dB / LO: 5 - 32dB	
Gamma characteristics		γ ÷0.45(ON) / γ=1.0(OFF)	
Lens iris		Video / DC (EIAJ arrangement)	
Power supply		DC+12V±10%	
Power consumption		1.56W (130mA)	
Operating temperature		-10°C - +40°C	
Storage temperature		-30°C - +70°C	
Operating / Storage humidity		Less than 95% RH (Without condensation)	
Lens mount		CS mount	
Weight		Approx. 35g	

※Design and specifications are subject to change without notice.

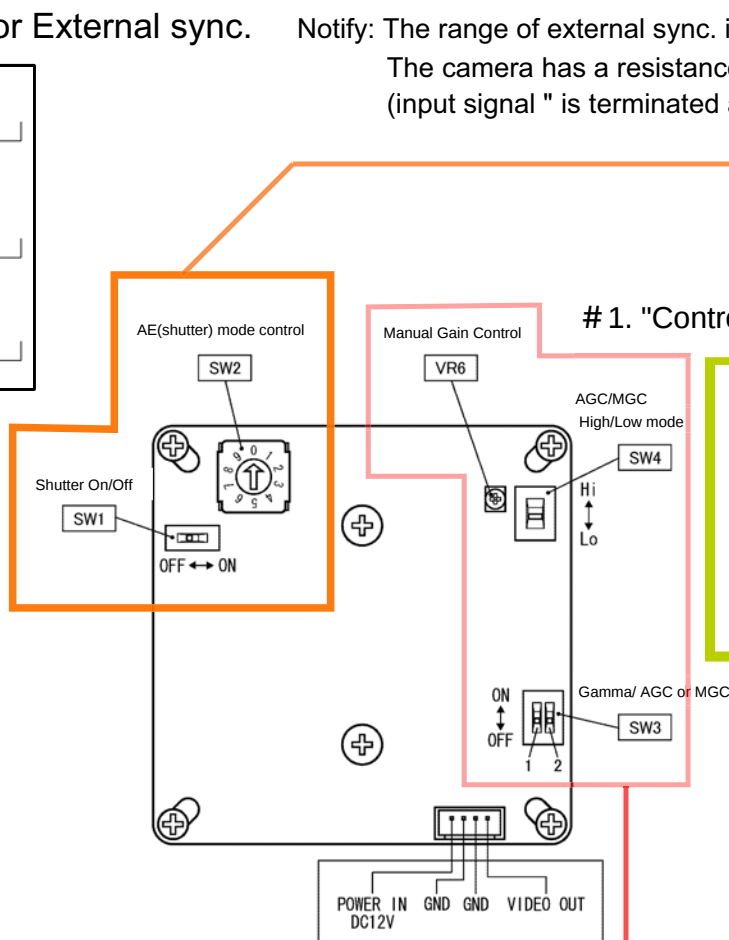
DIMENSIONS (mm)



W-01MAB2



Front side

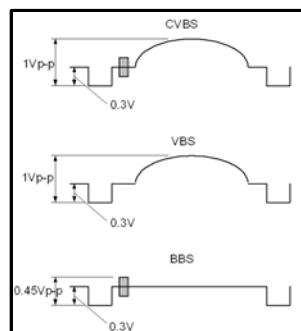


Back side

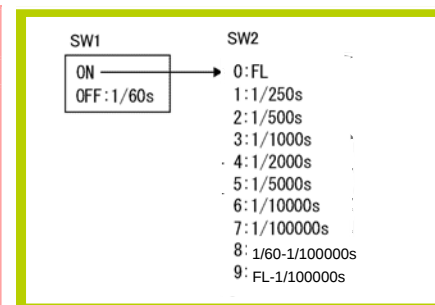
Input slot for External sync.

Notify: The range of external sync. is 0.2-2.0 V(p-p).

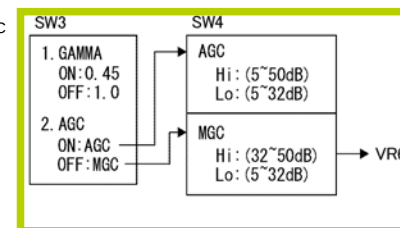
The camera has a resistance of 10k ohm inside the camera.
(input signal " is terminated at high impedance (Type.10k Ω))



#1. "Control method of shutter speeds"



#2. "Setting method of Gamma & AGC/MGC"



* Accessory

1. DC Iris cable: 15cm tinned cable with male Molex connector
2. Video/Power cable: 30cm tinned cable and male Molex connector
3. External sync.cable: 30 cm tinned cable and male Molex connector
4. Hexagonal wrench

Commercial accessory
30 cm cable with Molex
connector and BNC connector

W-01MAB2

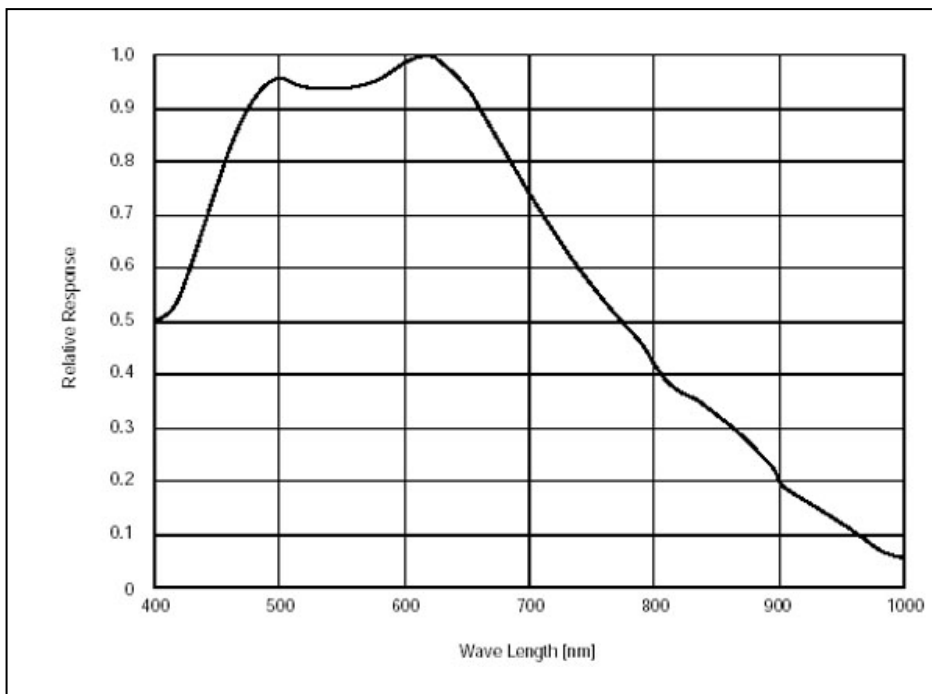
Relative Response Chart

Features

1. Visibility is assured in conditions with a minimum illumination of 0.0003 lux (F1.4)
2. Sensitive to 940nm. An infrared illuminator (700nm~950nm) can be used to monitor an object in absolute darkness.
3. High resolutions of 380K(EIA), 440K(CCIR) pixels (570 horizontal TV lines).

CCD Response

Visibility is assured in conditions with a minimum illumination of 0.0003 lux (F1.4).



W-01MAB2

CCD Imager Sensitivity