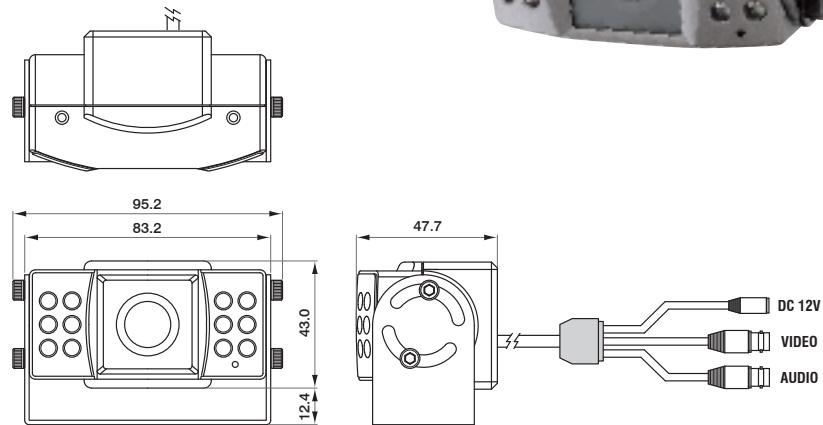


User's Guide Manual

miniature IR

Dimensions (mm)



Specifications

Model	NTSC	PAL
Image Sensor	1/3 inch SONY Super HAD CCD	
Total/Effective Pixels No.	270K / 250K	320K / 290K
S/N Ratio	More Than 48dB (AGC Off)	
Resolution	Horizontal : 380 TV Lines	
Video Output	1.0 Vp-p (75 Ohms, Composite)	
Audio Output	2 Vp-p	
Lens	Fixed (f=2.5mm)	
Angle of View	f=2.5mm : 145° / f=2.5mm : 88°	
Sync System	Internal	
Sensitivity	0 Lux (With IR LED), 0.1 Lux (Without IR LED)	
Shutter Speed	1/60 ~ 100,000 Sec.	1/50 ~ 100,000 Sec.
White Balance	Auto	
AGC	Auto	
IR LED/SENSOR	940nm 11EA (Option : 850nm), CDS Sensor	
LED Lighting Distance	5m (940nm), 10m (850nm)	
Input/Output Connector	Power (Red Jack), Video Output (Yellow Jack), Audio Optional	
Supplied Voltage	DC 10V ~ 14V (Recommendation DC 12±0.5V)	
Power Consumption	Less Than 160mA, 2.0W (Max)	

color camera

miniature IR

CAUTION

Do not install the camera in extreme temperature conditions.

Do use the camera under conditions where temperatures are within -10°C to 50°C. Especially be careful for ventilation under high temperature.

Do not install or use the camera in an environment where the humidity is high.
It can cause the image quality to be poor.

Do not install the camera under unstable lighting conditions.
Severe lighting change or flicker can cause the camera to work improperly.

Never use the camera close to a gas or oil leak.
It can cause malfunctions to occur.

Do not disassemble the camera.
There are no user-serviceable parts inside it.

Do not drop the camera or subject them to physical shocks.
It can cause malfunctions to occur.

Never keep the camera face to strong light directly.
It can damage CCD.

Note
If the camera is exposed to spotlight or object reflecting the strong light, smear or blooming may occur.
Please check the power whether it satisfies the normal specification before connecting the camera.

Regulatory Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and use in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference, in which case the user will be required to correct the interference at his own expense.

WARNING - Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CAUTION - When this camera is installed near equipment, like a wireless communication device that emits a strong electromagnetic field, some irregularity such as noise on the monitor screen may happen.