

User Manual

for

Color CCD Camera



Please read the User Manual before using the CCD Camera

INTRODUCTION:

Thank you for choosing our GP020101/GP020111 CCD COLOR Camera.

VIEWSOLUTIONS hopes that both the quality and design satisfy your requirements.

Before proceeding to install or operate the GP020101/GP020111, please read and understand thoroughly the contents of this Operation manual.

For future reference we also advise safe keeping of this manual.

CAUTIONS:

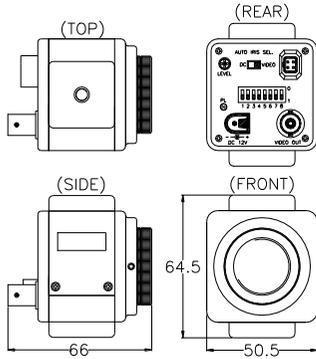
1. Power supplied without voltage stabilization and /or the voltage range maintained at $\pm 10\%$ 12V. DC. may cause damage.
2. Do not expose the CCD Camera to wetness or high moisture conditions. The CCD Camera is designed and approved for indoor use only.
If the location of the camera is outdoors or in an outdoor like environment, we recommend that you use an OUTDOOR CAMERA HOUSING.
3. Avoid the striking of hard objects or dropping the unit.
4. Do not disassemble and /or modify the CCD Camera or any of its component parts or accessories. VIEWSOLUTIONS can not be held responsible for equipment failure or any damage and /or trouble caused by such action.
5. Do not install the CCD Camera near heat sources, such as radiators or heating air ducts, or in a position subject to direct sunlight※, excessive dust, mechanical vibration or shock.
6. When installing the CCD Camera in an industrial or commercial environment (i.e. within equipment housing, near other electronic device, etc.) Make sure to avoid any strong electromagnetic field, otherwise the video output may be disturbed and monitor clearness compromised.
7. Do not connect any power supply directly to the VIDEO OUT terminal of the unit. This may cause damage.
8. When a cable operation system, such as video/power multiplex transmission is being used, check the specifications or requirements of your monitor for proper connection with the video signal terminal of the camera.
9. Do not make connections and /or operate the CCD Camera with wet hands.
10. Should the CCD Camera not work properly, switch off the power and then, check that power and video terminals are properly connected.

※ Sunlight shining directly onto the camera lens can cause damage to the CCD.

CONTENT:

Using the contents figures below, check to make sure all parts are present before use

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DESCRIPTION OF PARTS (UNIT: mm) :

① CCD front face (light receiving face of the CCD camera)

NOTE: 1. Handle the CCD and lens with special care.

2. Always attach the lens cap so as to protect the lens and the CCD from contamination and damage.

3. Dirt, water or oil deposits on either will cause an unclear picture on the monitor, and scratches will become permanent damage.

② CS lens mount

Any standard model C-mount lens can be attached to the CCD Camera, if our optional C-mount ring 34CMA-R is fitted to the unit.

③ Focusing the CCD Camera when manual adjustment is not effective. There are three hexagonal focusing adjustment screws each placed at intervals of 120° around the lens mount ring for the forward and backward motion of the lens mount.

④ AUTO IRIS

Female connector for the auto-iris lens.

⑤ Tripod mounting screw holes (upper and lower)

Thread size and depth are the same as that for the standard camera tripods.

⑥ BACK LIGHT switch for the Back Light compensation function

⑦ POWER

The terminal is designed for connection with a DC plug from an appropriate power adaptor.

NOTE: The optional power adaptor GP070101 (DC+12V, 500mA) is recommended for use with the GP020101/GP020111.

⑧ VIDEO OUTPUT

The B. N. C. terminal for video signal output.

⑨ AGC (Automatic Gain Control) OFF/ON Switch

When the Switch is on 0, it is in the OFF position and when it is on 1, AGC is ON.

SPECIFICATION:

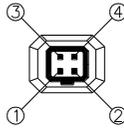
MODE NO.	GP020101		GP020111
TV SYSTEM	NTSC		PAL
IMAGE SENSOR	1/3-inch CCD Image Sensor		
CCD TOTAL PIXELS	816(H) X495 (V)		798(H) X 548(V)
SCANNING SYSTEM	525 lines, 60 fields/sec		625 lines, 50 fields/sec
SYNC SYSTEM	Internal		
MINIMUM ILLUMINATION	0.8 Lux F1.2 5600°K		
WHITE BALANCE	Mode	ATW / AWB (Zero color rolling)	
	Range	3200 ~ 10000 °K (2200-15000 °K/with S Filter)	
RESOLUTION	470/580 TVL (Enhanced)		
S / N RATIO	52dB (MIN) / 60dB (TYP) (AGC OFF)		
MIRROR FUNCTION	ON / OFF		
B.L.C. FUNCTION	ON / OFF		
AUTO IRIS	A.E.S. / DC / VIDEO		

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ELECTRONIC SHUTTER (A.E.S.)	1/60~1/120,000 sec.	1/50~1/120,000 sec.
VIDEO OUTPUT	1.0V p-p Composite video at 75 ohm	
GAMMA CORRECTION	0.45	
GAIN CONTROL	ON / OFF	
OPERATION TEMPERATURE	-20°C TO 50°C	
OPERATIONAL HUMIDITY	within 85% RH	
POWER SUPPLY	DC12V±1V / 110mA	

SWITCH CONTROL AND AUTO IRIS EXPLANATION:

SW1	AES/ALC
SW2	BLC
SW3	AGC
SW4	ATW/AWB
SW5	MIRROR
SW6	2XZOOM



AI lens	DD lens
P1: VCC.	P1: DUMP -
P2: NC.	P2: DUMP+
P3: VIDEO	P3: DRIVE
P4: GND.	P4: GND

IMPORTANT:

The camera mentioned does not comply with this regulation, if it is modified at your disposal.

VIEWSOLUTIONS is not responsible for any inconvenience or the attendant damages to the video or audio and monitoring recording equipment, caused by misuse, misoperation or unproved wiring of our equipment.

If for any reason the GP020101/GP020111dose not work properly, or if you have any questions regarding installation or operation please contact the distributor or dealer from which it was purchased.

Design and specifications are subject to change without notice.
