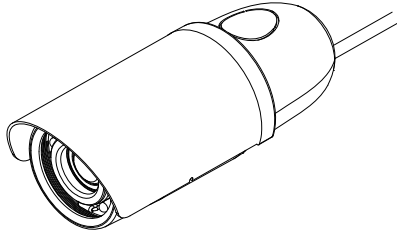


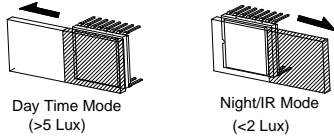
RP-GRA845

D/N Varifocal Weather Proof COLOR CCD Camera with IR LED



FEATURES

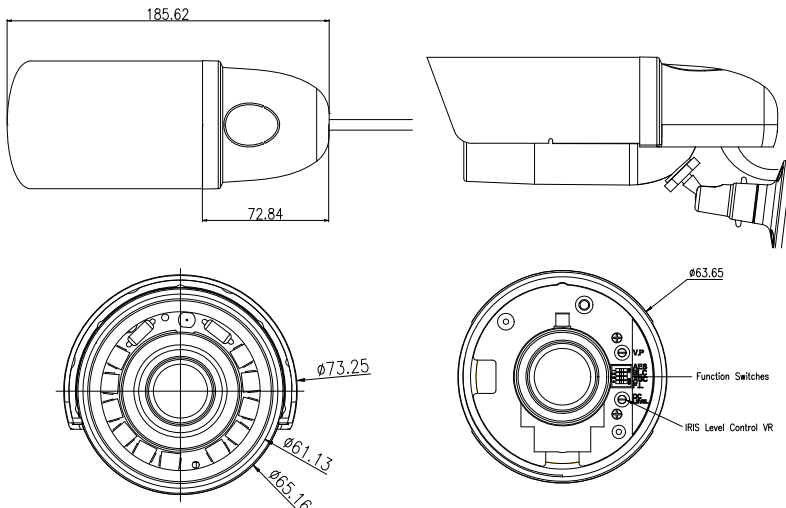
- Lead (Pb) Free RoHS Compliance
- Digital Signal Processor: SONY HQ1, 540TVL
- Long life and high reliability are achieved by the use of a CCD image device. This makes the camera 100 per cent solid state.
- Ease of use in any application is achieved through the small.
- IR LEDs are with lower power consumption and super high brightness.
- Relatively no interference from magnetic or electrostatic field.
- Build-in mechanical IR cut filter. As the camera senses the amount of light in the viewing area, it automatically turns the IR cut filter on and off accordingly.
- Mechanical IR cut filter switching
As the scene illumination reduces (down to 2 Lux), in order to increase light sensitivity for a brighter image, the filter is automatically removed and the camera switches to B/W mode. After the scene regains brightness (up to 5 Lux), B/W mode switches back to color mode and as more precise color reproduction is essential in the color operation mode, the camera turns the filter on.



CAUTION

- Never point the camera toward the sun**
Do not expose the lens directly to the sun or to strong light as this may damage the pick-up device.
- Handle this camera with care**
Avoid any shock of the camera. Improper handling could damage the camera.
- Requires a proper operating environment**
This camera is designed for both indoor and out door use. The allowable temperature range for operation of this camera is between -10° C ~ +50° C and the allowable humidity is 85% maximum.
- Check the power source voltage**
The power source voltage should be within the specified range. (Camera must meet the specification)

DIMENSIONS (Unit : mm)

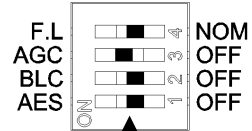
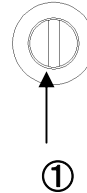


SPECIFICATION

TV System	PAL	NTSC
Image Sensor	1/3" SONY SUPER HAD CCD	
DSP	SONY HQ1	
Total Pixels	795(H)x596(V)	811(H)x508(V)
Video Output	1.0Vp-p composite/75 Ohms (BNC connector)	
Resolution	540TVL	
Minimum Illumination	0 LUX IR LED ON at 2 LUX / Controlled by a CDS sensor	
IR Working Distance	Indoor: 50M Outdoor: 30M	
IR LED / Lifetime Warranty	With 12 UNITS High power reflection LEDs / 6 years	
Water Resistance	IP67	
S/N Ratio	More than 50dB (AGC OFF)	
Synchronizing System	Internal	
B.L.C	ON/OFF	
A.G.C	ON/OFF	
Flickerless	ON/OFF	
Auto White Balance	AWB	
Lens/Angle of View	Standard : f9mm-22mm/F1.5 Aspherical D/N lens 29.2° - 13.0.°	
Power Supply	12Vdc	
Lead Free	YES	
Power Consumption	4.5W	
Operation Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Storage Humidity	Maximum: RH85%	
Dimensions	185(L) x 73(Ø) mm w/o Bracket	
Weight	520g	

DESCRIPTION OF FUNCTION

DC LEVEL



- DC LEVEL: VR for adjusting the iris level of auto iris lens
- SWITCHES:
 - AES / OFF
ON: Linear auto electronic shutter (1/50(1/60) to 1/100,000sec)
OFF: 1/50 (1/60) sec
 - BLC / OFF
BLC: Backlight Compensation. When the object is dark by strong light (sun light etc...), please turn on BLC.
OFF: BLC off
 - AGC / OFF
AGC: Automatic Gain control. The level of gain varies from 0 to 26dB
OFF: AGC off. The level of gain is fixed at 0dB
 - FL / NOM
FL: Flickerless. In FL mode, the shutter speed is 1/100Sec (NTSC system)/ 1/120Sec(PAL system).
If choose FL mode, "AES" (SW.4) should be off.
NOM: Normal position