

# ALUMINUM DOME CAMERA

## INSTRUCTION MANUAL



WIDE ANGLE DOME

NIGHT VISION DOME

※Thank you for choosing our high quality cameras,  
Before attempting to connect or operate it, please read and follow these instructions.

### GENERAL

These CCD video cameras employ a SONY1/3" CCD solid-state imaging device which provide superior performance. These cameras can be easily installed in mostly indoor/outdoor locations along with its very low current consumption. These cameras are not only easy to install but achieve an excellent reliability record.

### ACCESSORIES FURNISHED

Accessories	DIY cable	Surface Mounting	Screw	Screw	Instruction Manual
Q'ty	-	-	-	3	1
Option	1	1	3	-	-

### SPECIFICATION

Model Type	WIDE ANGLE DOME		NIGHT VISION DOME	
	NTSC / PAL	NTSC / PAL	NTSC / PAL	NTSC / PAL
Signal System	NTSC / PAL	NTSC / PAL	NTSC / PAL	NTSC / PAL
Image Device	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD II	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD II
Effective Pixels	510(H)x492(V) / 500(H)x582(V)	768(H)x494(V) / 752(H)x582(V)	510(H)x492(V) / 500(H)x582(V)	768(H)x494(V) / 752(H)x582(V)
H.Resolution	380TV Lines	550TV Lines	380TV Lines	550TV Lines
S/N Ratio	More than 45dB (AGC Off)		More than 50dB (AGC Off)	More than 45dB (AGC Off)
Min.Illumination	0.5 Lux. @ F2.0 (0.01Lux/Face Plate)	0.05Lux/Face Plate	0.5Lux / F2.0 Night : 0.00 Lux (IR LED ON)	0.05Lux / Face Plate Night : 0.00 Lux (IR LED ON)
Electronic Shutter Speed	1/60~1/100,000sec / 1/50~1/100,000sec	1/60~1/100,000sec / 1/50~1/100,000sec	1/60~1/100,000sec / 1/50~1/100,000sec	1/60~1/50,000sec / 1/50~1/100,000sec
Option	Exview		Exview	
Signal System	EIA / CCIR	EIA / CCIR	EIA / CCIR	EIA / CCIR
Image Device	1/3" Sony Super HAD CCD	1/3" Sony High Resolution CCD	1/3" Sony Super HAD CCD	1/3" Sony High Resolution CCD
Effective Pixels	510(H)x492(V) / 500(H)x582(V)	768(H)x494(V) / 752(H)x582(V)	510(H)x492(V) / 500(H)x582(V)	768(H)x494(V) / 752(H)x582(V)
H.Resolution	420TV Lines	600TV Lines	420TV Lines	600TV Lines
S/N Ratio	More than 50dB (AGC Off)		More than 50dB (AGC Off)	
Low Lux Sensitivity	0.05 Lux. @ F2.0 (0.0003Lux/Face Plate)	0.1Lux. @ F2.0 (0.003Lux/Face Plate)	0.5Lux / F2.0 Night : 0.00 Lux (IR LED ON)	0.1Lux / F2.0 Night : 0.00 Lux (IR LED ON)
Electronic Shutter Speed	1/60~1/100,000sec / 1/50~1/100,000sec	1/60~1/100,000sec / 1/50~1/100,000sec	1/60~1/100,000sec / 1/50~1/100,000sec	1/60~1/100,000sec / 1/50~1/100,000sec
Option	Exview		Exview	

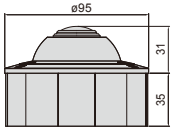
### COMMON SPECIFICATION

Scanning System	2:1 Interlace		
Gamma	$\gamma=0.45$		
Video Output	1.0 Vp-p Composite 75 $\Omega$		
Operating Voltage	DC 12V( $\pm 10\%$ )		
Current Consumption	Wide Angle	380TVL	140mA or Less
		550TVL	100mA or Less
	Night Vision	380TVL	140mA or Less(IR LED OFF) ~ 250mA or Less(IR LED ON)
		550TVL	100mA or Less(IR LED OFF) ~ 230mA or Less(IR LED ON)
Operating Temperature	-10 $^{\circ}$ C ~ +50 $^{\circ}$ C		
Storage Temperature	-20 $^{\circ}$ C ~ +60 $^{\circ}$ C		
Lens	Wide Angle	Wide angled board type lens(f1. 78mm, 170 $^{\circ}$ )	
	Night Vision	2.97mm / 3.6mm / 4.3mm / 8mm, IR 3.7mm / IR 4.0mm	
Dimensions	95 $\phi$ (mm)		
NIGHT	IR LED	12ea High Density(15 Meter Beam distance)	
	IR LED Wavelength	850nm	
	IR LED Half Angle	$\pm 15$ degree	
	Sensor On/Off	On /Off Detection range of Automatic Photocell	
	Operating Lux	On : 1 Lux, Off : 3 Lux	

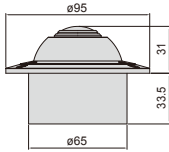
Face Plate : Point at the CCD without obstruction of light from any other material.

## DIMENSIONS

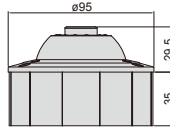
Unit : mm



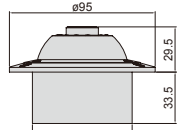
SURFACE MOUNT DOME



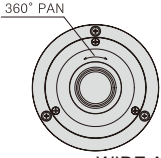
IN CEILING MOUNT DOME



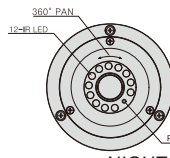
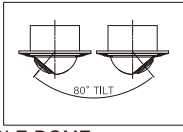
SURFACE MOUNT DOME



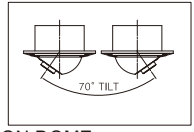
IN CEILING MOUNT DOME



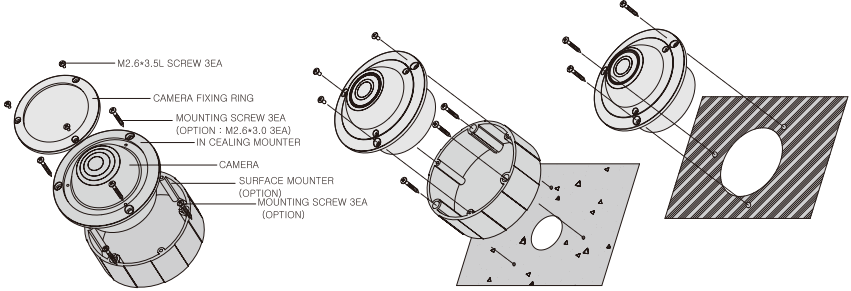
WIDE ANGLE DOME



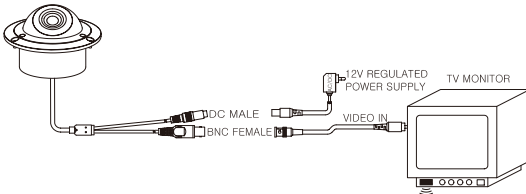
NIGHT VISION DOME



## INSTALLATION



## CONNECTION



DIY CABLE CONNECTION

**!** When you install the camera, please glue up the end of cable to keep it stable in order to protect the camera from the humidity problems.

**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.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Note** - This equipment has been tested and found to comply with limits for a Class B 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 communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / tv technician for help.

**Caution** - Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## ⚠ CAUTION

1. A regulated DC 12V 500mA power supply is recommended for use with this camera for the best picture and the most stable operation.

**An unregulated power supply can cause damage to the camera.**

**When unregulated power supply is applied, product warranty will be out of subject.**

2. It is recommended that the camera is used with a monitor that has a CCTV quality 75 video impedance level.

If your monitor is switched to high impedance then please adjust accordingly.

3. Do not attempt to disassemble the camera to gain access to the internal components.

Refer servicing to your dealer.

4. Never face the camera towards the sun or any bright or reflective light, which may cause smear on the picture and possible damage to the CCD

**5. Do not remove the serial sticker for the warranty service**