

5. Specifications

MODEL		NTSC	PAL	
Power	Power source	DC12 – 15V +/-10%		
	Power consumption	130 mA (1.6 Watts)		
General	Image sensor	1/3" CCD		
	Total pixels	1020(H) x 508(V)	1020(H) x 596(V)	
	Scanning system	2:1 interface		
	Scanning frequency	15.734KHz(H), 59.94Hz(V)	15.625KHz(H), 50Hz(V)	
	Sync. system	Internal		
	Electronic shutter	1/60 ~ 1/100,000 sec.	1/50 ~ 1/100,000 sec.	
	Resolution	700 TV Lines		
	Min. illumination	0.1 Lux (Color), 0.04 Lux(B/W) @ F1.2, 50 IRE		
	Video output	1.0 Vp-p (75 ohm, composite)		
	S/N ratio	more than 50dB (AGC off)		
	FUNCTION	Auto exposure	ON	
		White Balance	ATW Fix	
		AGC	AUTO	
		2D-DNR	ON	
Day / Night		AUTO		
Connector & etc.	Power input	DC Jack		
	Video output	BNC connector		
	Lens mount	Fixed mount		
	Lens	2.8 mm Fixed		
	Operating temperature	32°F ~ 104°F (0°C ~ +40°C)		
	Operating humidity	0 ~ 96% (non-condensing)		
	External dimension	44 x 44 x 35mm (WxHxD)		
Weight	65g			

Quick Installation

G U I D E

Mullion Camera

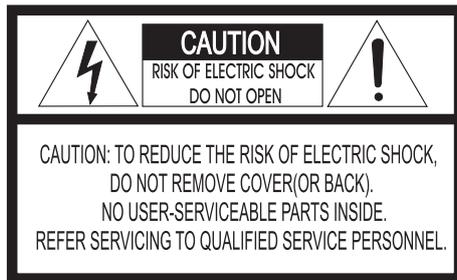


Please read this manual thoroughly before use, and keep it handy for future reference. Design and specifications are subject to change without notice.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

CAUTION



EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

PRECAUTIONS

Safety

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

Installation

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust, mechanical vibration.

Cleaning

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

FCC COMPLIANCE STATEMENT

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.

FCC INFORMATION : 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

CE COMPLIANCE STATEMENT

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

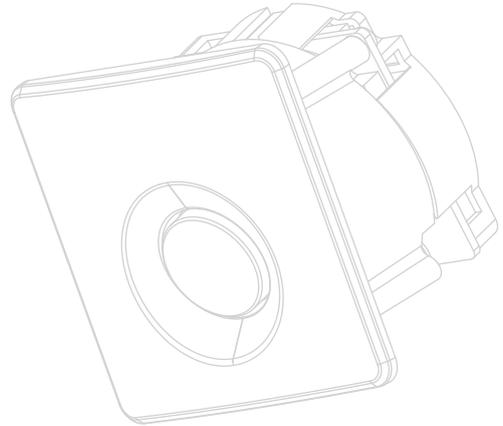
IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **CAUTION - THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.**
16. Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

2

1. Feature

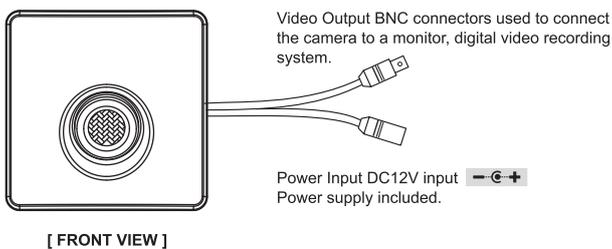
- High Resolution and high performance 1/3" CCD Technology
- 130° Wide Angle 2.8mm lens
- Standard BNC / Power Pin connections
- Available in a Black, Silver or Bronze Case
- Power requirement DC 12 – 15V +/-10%
(Power supply included)



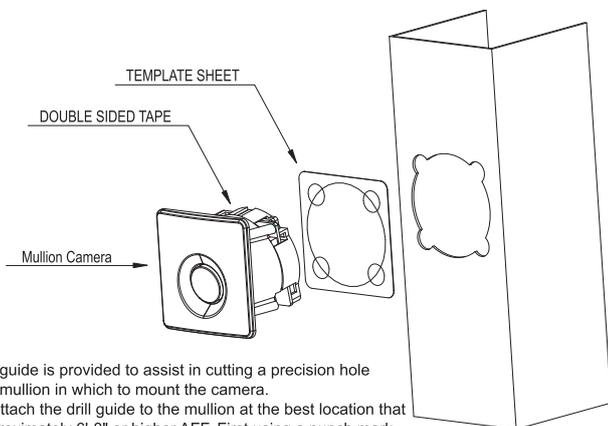
IMPORTANT : The user of this camera is responsible for checking and complying with local, state, and federal laws and statutes concerning the recording and monitoring of audio signals.

3

2. Camera Connections



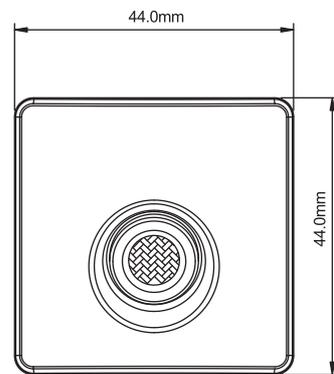
3. Installation



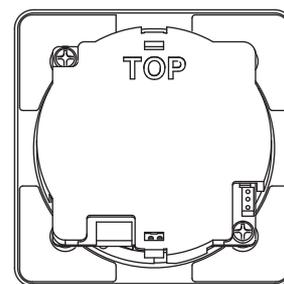
A drill guide is provided to assist in cutting a precision hole in the mullion in which to mount the camera.
 First attach the drill guide to the mullion at the best location that is approximately 6'-8" or higher AFF. First using a punch mark the four 5/16" holes at the points around the circle and then drill the holes. Then mark the center of the 1-1/2" hole with the punch and drill out using a hole saw. De-burr and touch up the edges of the hole with a rat-tail file. Please locate the word "TOP" on the back of the jam camera and when installing make sure that it is placed top

4

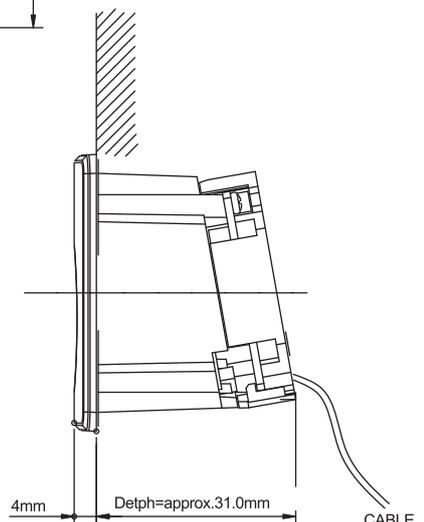
4. Dimensions



[FRONT VIEW]



[BACK VIEW]



[SIDE VIEW]

5