

CAMERA MODEL: M12 SERIES

Indoor surface-mount CCTV dome camera

CAMERA

The impact-resistant camera consists of one or two complementary metal oxide semiconductor (CMOS) camera board(s), fixed focal length lens, enclosure and polycarbonate dome. The camera interface is via a Modular telephone style connector to a regulator connector box. The camera enclosure is available for indoor applications only. The camera, lens and enclosure is fully assembled and tested by the manufacturer. The video system supports NTSC, EIA, PAL or CCIR signal formats.

THE CAMERA

The camera is a solid-state monochrome or color video camera using a 1/3" CMOS image sensor meeting NTSC (EIA) or PAL (CCIR) signal format. The horizontal resolution is a minimum of 380 TV lines for monochrome and 330 TV lines for color cameras. The electronic shutter has a range of 1/60-1/15,734 second for NTSC/EIA and 1/50 – 1/15,625 for PAL/CCIR. The camera outputs a composite video signal 1.0V peak-to-peak into 75Ω (Ohm) impedance. The camera module is easy to install. The camera is mounted on a ball and socket mount allowing for maximum adjustment for any angle of view required.

ELECTRICAL

The input voltage range is 9-15VDC through the VA-100 regulator. Input power consumption is less than 0.4W for single camera versions and less than 0.8W for dual camera versions. The VA-100 regulator uses a telephone style modular connector from the camera, a 2.1mm center positive barrel connector for power and a female RCA connector for video. A RCA male to BNC female adapter is supplied.

ENCLOSURE

The enclosure and dome can withstand a high impact force. The dome consists of 3.25" diameter, 0.125" thickness optical grade polycarbonate with no tint for optimum clarity. The dome is UV-stabilized, suitable for use in areas exposed to sunlight and is hard coated for scratch resistance. The enclosure is molded from Lexan® and is designed to meet IP65 for indoor use only. It includes security lid screws and a unique locating tab system that allows for easy alignment of the lid to the base. The enclosure is suitable for surface mounting with rear and side cable exits. The mounting holes are located outside the sealed camera area to prevent any water or dust ingress to the camera. The dimensions of the camera does not exceed 5.5"(W) x 2.93"(H) (140mm x 74.5mm). The weight of the camera, including both camera and the lens, weighs no more than 0.825lbs (374.3g) for a dual camera version and 0.712lbs. (322.8g) for a single camera version. The enclosure does not require a backing plate to mount directly to a drop ceiling.

WIRING

The camera has a cable exit on the back of the enclosure and two breakaway sections on the side of the enclosure for surface mounting. The cable length supplied is 5 feet (152.4cm) excluding the connector.

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LENS

The camera is fully assembled by the manufacturer with one of the following interchangeable lenses from 2.5mm-12mm. The 2.5mm lens is available for NTSC/EIA only.

Size (mm)	F	View Angle	
		H°	V°
2.5	2.0	88°	72°
3.6	2.0	67°	53°
6.0	2.2	44°	33°
8.0	2.2	33°	25°
12.0	2.0	23°	17°

WARRANTY AND SERVICE

The camera has a 2-year limited warranty, which includes parts and labor. A toll-free number for service and customer support is available in both the United States and Canada.

PACKAGING

The camera, lens and enclosure are assembled and packaged with all mounting hardware and mounting instructions.

The ambient operating temperature is -10° F to +104° F (-23° C to +40° C)

The system is tested and conforms to the following standards:

FCC: Part 15 B class A

