

Description

The Outdoor MotionViewer Camera DCV250/DCV650/DCV750 is a battery operated, wireless outdoor motion activated camera designed for use in MEERCAM security systems.

Motion-activated cameras are intended for applications where video verification of intrusion alarms is necessary or desired.

The DCV250/DCV650/DCV750 consists of a digital camera, a passive infrared motion detector, and S² VIEW spread spectrum, VIDEOFIED™ interactive, encrypted wireless circuitry for secure two way communications with the control panel. The camera consists of a CMOS black and white sensor and an 85 degree, wide angle lens. Two infrared LED provide a night illumination distance of approximately 8 meters/26 feet. For motion or movement detection, a Fresnel lens inside the cover captures a 12m/40 ft wide, 90 degree angle passive infrared pattern. The base can be fixed on wall directly or by using mounting. A tamper function provides cover tamper detection.

The camera is typically installed to cover outdoor applications where there is a temperature fluctuation and areas where broad viewing/detection coverage is needed. When the alarm system is armed and the motion detector senses motion or movement, the detector transmits a signal and activates the camera, which captures a 10 second digital video segment. The control panel receives the signal and responds according to system configuration/programming.

The alarm and video segment are reported via the control panel to the central monitoring station, and can also be sent to an Email address for viewing. The detector is powered by three lithium batteries that can last two years or more, depending on the amount of detector activity.

The detector transmits a check-in signal every eight minutes that includes its unique identification code along with the current detection sensor state, tamper condition, serial number, date of manufacture, software revision, and battery status.

Features

- > S²View® - Spread Spectrum, MEERCAM, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.
- > Camera - CMOS black and white sensor with 85 degree wide angle lens and video resolution of 320 x 240 pixels.
- > Supervised - transmits a check-in/status signal every 8 minutes indicating tamper state and battery status.
- > Tamper - Provides cover tamper detection.
- > Lithium batteries - up to two years.
- > Night illumination - up to 8 meters/26 feet distance using two infrared LED.
- > Motion detector - Dual-element, passive infrared with Fresnel lens for 12m/40 ft. wide 90 degree coverage.
- > Camera begins filming in fewer than 100 milliseconds after the PIR detects motion.
- > Camera is fully waterproof and can withstand temperatures from -20 degrees to 60°C (-10°/+140°F).

Applications

- > Outdoor video verification of intrusion alarms.



Electrical Data

Power requirements	Three 3.6 V batteries
Battery type	Lithium, LS14500
Battery life	Up to 2 years
RF technology	S ² View®
Radio type	Spread Spectrum Bidirectional
Operating frequency	868/915/920 MHz
Transmission security	AES encryption algorithm
Supervision	Polled signal every 8 minutes
Antenna	Integrated
Tamper detection	Cover tampered
Camera sensor type	CMOS black and white
Camera resolution	320 x 240 pixels
Camera sensitivity	0.2 lux
Camera lens	Wide angle 85 degrees
Camera response	Less than 100 milliseconds
Video sequence in intrusion	5 frames/s for 10 seconds
Night illumination	2 infrared LED
Night illumination switching	Automatic
Night illumination distance	8 m/26 ft.
Motion detector technology	Passive infrared DSP
Motion detector type	Dual element
Motion lens	Fresnel
Motion Detection angle	90°
Motion Detection distance	12 m/40 ft.
Motion Detection pattern	24 facets
	9 main-12 m/ 40 ft.
	8 intermediate-8 m/ 26 ft.
	5 short-4 m/13 ft.
	2 creep zones-1.2 m/4 ft.
Operating temperature	-20°/+60°C (-10°/+140°F)
Maximum relative humidity	95%, non-condensing
Approvals	CE / EN50131 / EN300220 / IDA (DCV250) FCC (DCV650) A-Tick (DCV750)

Physical Data

Material	Polycarbonate UL94
Dimensions	101.6 mm x 88.9 mm x 114.3 mm (LxWxD): 4 in. x 3 1/2in. x 4 1/2 in.
Weight	260.8 g/9.2oz. (without batteries)

Installation/Mounting

Unit/Base	Has a single thread for Gimble Mount (Sold Seperate)
Mounting height	2.1 m/6.9 ft.