

Description

The MotionViewer™ DCV is a battery operated, wireless indoor motion-activated video camera designed for use in VIDEOFIED® security systems. Motion-activated cameras are intended for applications where video verification of intrusion alarms is necessary or desired.

The DCV 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°, wide angle lens. Two infrared LEDs provide a night illumination distance of approximately 4.5 meters/14 feet. For motion or movement detection, a fresnel lens inside the cover captures a 12 meters/ 40-foot wide, 90° angle passive infrared pattern. The base allows for corner mounting. A dual tamper function provides for both wall and cover tamper detection .

The camera is typically installed to cover entire rooms, hallways, stairwells, and other similar 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 Email addresses for viewing. The detector is powered by three lithium batteries that can last up to four years, 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, VIDEOFIED®, Interactive, AES Encrypted Wireless technology provides optimum signal integrity and security.
- › Camera - CMOS black and white sensor with 85° wide angle lens and video resolution of 320 x 240 pixels.
- › Night illumination - up to 4.5 m/14 ft. distance using two infrared LED.
- › Motion detector - dual-element, passive infrared with fresnel lens for 12 m/ 40 ft. wide, 90° coverage pattern.
- › Camera begins filming in under 100 milliseconds after the PIR detects motion.
- › Supervised - transmits a check-in/status signal every 8 minutes indicating unique identification code along with the current detection sensor state, tamper condition, serial number, manufacture date, software revision, and battery status.
- › Dual tamper - provides cover and wall tamper detection.
- › Lithium batteries - up to four years.

Applications

- › Video verification of intrusion alarms.



Electrical Data

Power requirements	Three 3.6 V batteries
Battery type	Lithium, LS14500
Battery life	Up to 4 years
RF technology	S ² View*
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	920 MHz
Transmission security	AES algorithm encryption
Supervision	Polled signal every 8 minutes
Antenna	Integrated
Tamper detection	Wall and cover tampered
Camera sensor type	CMOS black and white
Camera resolution	320 x 240 pixels
Camera sensitivity	0.2 lux
Camera lens	Wide angle 88°
Camera response	Less than 100 milliseconds after PIR detection
Video sequence in intrusion	5 frames/s for 10 seconds
Night illumination	2 infrared LED
Night illumination switching	Automatic
Night illumination distance	4.5 m.
Motion detector technology	Passive infrared
Motion detector type	Dual element
Motion Lens	Fresnel
Motion Detection angle	90°
Motion Detection distance	12 m
Motion Detection pattern	24 facets 9 main–12 m. 8 intermediate–8 m. 5 short–4 m. 2 creep zones–1.2 m.
Operating temperature	0°/+50°C
Maximum relative humidity	70%, non-condensing
Approvals	CE / EN50131 / EN300220 / INCERT/IDA / NCP (DCV201) FCC (DCV601) A-Tick (DCV701)

Physical Data

Material	ABS—ULV0
Dimensions	89 mm x 70 mm x 70 mm (LxWxD): 3-1/2 in. x 2-3/4 in. x 2-3/4 in.
Weight	150 g/5.3 oz. (without batteries)

Installation/Mounting

Camera/Base	One screw secures camera to base; two screws secure camera base to mounting surface, or corner mount
Mounting Height	2.1 to 2.3 m (6.9 to 7.5 ft.)

DCV means DCV600 for USA/Canada, DCV700 for Australia/Singapore and DCV200 for Europe and rest of the world.

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