

## OMV-VX601

### Outdoor Visual Verification Detector

The OMV-VX601 Outdoor Visual Verification Detector is a battery-powered, dual-PIR motion sensor with an integrated video camera, 40' by 90° flexible detection pattern, and infrared illuminators for night vision. It is designed for use in a Videofied security system, compatible only with the W Series (WIP620, WIP630) and XT Series (XT-IP630, XTO-IP630) control panels.

When the OMV-VX is armed and both PIR detection areas are triggered it will instantly record a short video clip and transmit the video alarm signal to the control panel which will then transmit the signal to a professional 24/7 monitoring station where an operator can immediately review the video clip, verify the cause of the alarm, and dispatch police to a crime-in-progress when a threat or intrusion has been identified. This verification process also means that the operator can filter out false alarms due to wildlife and non-intrusion activity, preventing police dispatch to false alarms and costly false alarm fines for the property owner.

With its adjustable and customizable dual-PIR detection, the OMV-VX provides accurate, video-verified intrusion detection to secure outdoor areas and assets for any property, especially rooftop HVAC, site perimeters, construction sites, car dealerships, equipment rental, small businesses with outdoor storage lots, and residential exteriors and outbuildings.

The OMV-VX is powered by three SAFT AA lithium batteries with a long battery life of up to 4 years for standard usage (5 videos per month). Every detector transmits a check-in signal every 8 minutes to the control panel in order to supervise its status.



**Left:** The OMV-VX has two PIR motion sensors above and below the video camera with four infrared illuminators.

**Right:** Battery box shown with three SAFT AA lithium batteries inserted.

## FEATURES AND BENEFITS



Visual verification of the alarm means monitoring operators can review the cause of the alarm with a video clip and quickly dispatch police for priority response to a crime-in-progress



Dual-PIR detection creates a superior false immunity to wildlife and other non-intrusion activity by requiring that both PIRs be triggered for the system to go into alarm



Outdoor-rated with an operating temperature of -20 to +140 °F (-30 to +160 °C) and an IP55-rated body for dust and water protection






Battery-operated with extended battery life of up to 4 years on one set of batteries for standard usage (about 5 videos per month)



Military-grade, AES-encrypted RF provides robust, secure, long-range communication for a wide range of properties, even in harsh and noisy environments

# OMV-VX601 Technical Specifications

COMPATIBILITY	
PANEL COMPATIBILITY	Videofied W Series (WIP620, WIP630) and XT Series (XT-IP630, XTO-IP630) control panels
ELECTRICAL	
POWER REQUIREMENTS	Type C - 3x Lithium batteries: • SAFT LS14500 3.6V or • Duracell CR123A 3V
BATTERY LIFE	
STANDARD USAGE (UP TO 5 VIDEOS PER MONTH)	4 years (LS14500) 2 years (CR123A)
HIGH USAGE (~30 VIDEOS PER MONTH)	2 years (LS14500) 1 years (CR123A)
WARM-UP PERIOD	Approx. 60 seconds
RED LED INDICATOR	Initial, low voltage, program button, walk test radio test, tamper
RADIO (RF WISELINK® TECHNOLOGY)	
RADIO TYPE	Spread spectrum bidirectional
OPERATING FREQUENCY	868 MHz - OMV-VX200 (Europe, Africa, Asia) 915 MHz - OMV-VX601 (US, Canada, South America) 920 MHz - OMV-VX702 (Australia, South America)
TRANSMISSION SECURITY	AES encryption algorithm
SUPERVISION	Radio, batteries, tamper
RADIO ANTENNA	Integrated
CAMERA	
ANGLE	Wide angle 90°
SENSOR TYPE	CMOS
DAYLIGHT VIDEO	Programmable : Color or B&W
NIGHT VIDEO	Automatic black & white infrared
INFRARED ILLUMINATION	Automatic with 4 IR LEDs
INFRARED ILLUMINATION DISTANCE	Up to 40 ft/12 m
VIDEO	
VIDEO FORMAT	MJPEG-WMV, MJPEG-DIFF
FRAME RATE	5 images per second
VIDEO DURATION	Programmable (10 seconds by default)
VIDEO RESOLUTION	QVGA (320x240)
AVERAGE VIDEO FILE SIZE	220 KB

IMAGE	
FORMAT	JPEG
RESOLUTION	VGA (640x480)
AVERAGE IMAGE FILE SIZE	8 KB
DETECTION	
DETECTION METHOD	Passive infrared
PIR COVERAGE	40 ft/12 m, 90° wide, 16 zones
PIR DISTANCE LIMIT	8 to 40 ft/2.5 to 12 m (5 positions)
DETECTABLE SPEED	1 to 6.6 ft/s 0.3 to 2.0 m/s
SENSITIVITY	35.6 °F at 2 ft/s 2.0 °C at 0.6 m/s
DETECTION PATTERN ROTATION ADJUSTMENT	90° left or right (7 positions)
DETECTION RANGE ADJUSTMENT	9.8 to 46 ft/3 to 14 m (5 positions)
MASKING	Vertical masking seals for both PIRs
ENVIRONMENTAL DATA	
OPERATING TEMPERATURE	-20 to +140 °F (-30 to +60 °C)
MAX. RELATIVE HUMIDITY	95% max
PROTECTION MARKING	IP55
INSTALLATION/MOUNTING	
MOUNTING HEIGHT	2.6 to 4 ft/0.8 m to 1.2 m
MOUNTING SUPPORT	Wall, pole (outdoor or indoor)
ACCESSORIES	Screw (4x 20 mm) x2, Masking seal x2
WEIGHT	700g (without batteries)
STANDARDS AND CERTIFICATIONS	
 868MHZ (OMV-VX200)	Compliant with the annex IV of the R&TTE Directive 1999/5/EC
 915MHZ (OMV-VX601)	USA FCC Part 15C Canada IC RSS-247 Issue 1
 920MHZ (OMV-VX702)	Australia C-Tick AS/NZS4268

## For more information

[security.honeywell.com/OMV-VX](http://security.honeywell.com/OMV-VX)

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