



4MP Outdoor Cloud Camera

model CV169M/CV169A

A complete, **Cloud-based** intelligent video surveillance system with **full HD resolution**.
Nothing else required.

Reliable protection has never been this simple.

The **CheckVideo 4MP Outdoor Cloud Camera** (CV169) is a complete video security solution that greatly simplifies installation while providing superior protection compared to traditional closed-circuit television systems. With built-in 24x7 video recording, the CV169 eliminates the need for an external recorder. Featuring, patented, analytics-driven compression technology, the 4MP Outdoor Cloud Camera can record and transmit video using up to 70% less capacity resulting in reduced network and bandwidth costs.

Featuring advanced video analytics technology, the CV169 can differentiate people and vehicles from the normal motion generated by foliage and shadows, then instantly send an alert. The CV169 is part of the CheckVideo family of managed security solutions, and can be configured and viewed remotely by authorized users. Automated tamper detection, health checks and error recovery are included to ensure that security is never compromised. With Power-over-Ethernet connectivity, extreme low-light capability and built-in digital I/O, the CV169 combines simplicity and versatility in a compact package. The CV169 features one-click integration with the CheckVideo Cloud VMS, enabling a complete Cloud-based intelligent video security solution. The CV169A also includes audio line output for connection to an amplified speaker.

CAMERA



ADVANCED VIDEO ANALYTICS

The camera becomes a real video sensor, detecting persons and vehicles, dramatically reducing false alarms by up to 85% versus outdoor PIRs or cameras with built-in motion detection¹.



BUILT-IN DVR

Records up to 30 days of HD video, eliminating the need for a separate external NVR or DVR.



SECURE VIDEO STREAMING

Allows simultaneous viewing of live video on multiple unlimited Web clients.



AUDIO LINE OUTPUT (CV169A)

Includes audio line output for connection to an amplified speaker.

VIDEO MANAGEMENT

CHECKVIDEO CLOUD VMS

All CheckVideo solutions feature 100% Web-based video management functionality with no servers or software installation required.

VIDEO ALERTS

Pushes notifications of alerts based on analytics detections to central monitoring station, email addresses or smartphones.

VIDEO SEARCH ENGINE

Intelligent video search saves time by drilling down to the specific events of interest in seconds rather than hours.

AUTOMATED SYSTEM HEALTH MONITORING

The system issues proactive alerts in case of camera tampering, poor video quality or loss of communication.

CAMERA

Image Sensor	1/3" Progressive Scan CMOS
Lens	2.8mm-12mm varifocal lens, 82° (wide) to 33° (zoom)
Light Sensitivity	Color: 0.1 lux; B/W with IR: 0 lux up to 100 ft For zero light scenes, use an external IR illuminator for analytics detection distances over 100 ft
Image Processing	Auto White Balance, Auto Exposure; 3D Noise Reduction; Wide Dynamic Range (WDR)

VIDEO/AUDIO

Video Compression	H.264 dual streaming
Resolutions	2688 x 1512 (4MP) / 1280 x 720 (720p)
Audio	Audio line out for talk down (CV169A)

NETWORK

Wired	10/100Mbps Ethernet (RJ-45)
Security	HTTPS, IP Filter, TLS 1.2
Protocols	IPv4/v6, TCP/IP, UDP, HTTP, HTTPS, ICMP, DHCP, UPnP, NTP, RTSP

DVR

Resolutions	2688 x 1512 (4MP) / 1280 x 720 (720p)
Recording	Internal flash memory for up to 30 days of continuous recording at 720p

VIDEO MANAGEMENT

VMS Software	CheckVideo Cloud VMS enables online live, recorded and search functionality as well as configuration and management of an unlimited number of cameras across multiple sites
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ALARM

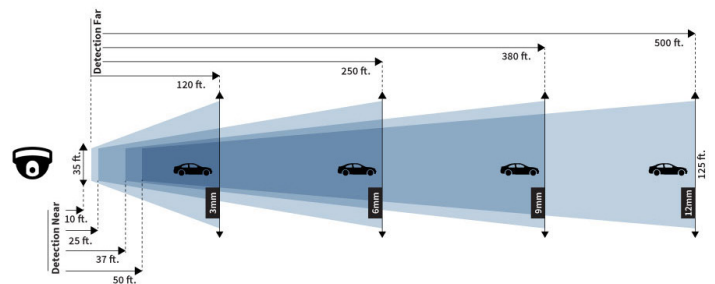
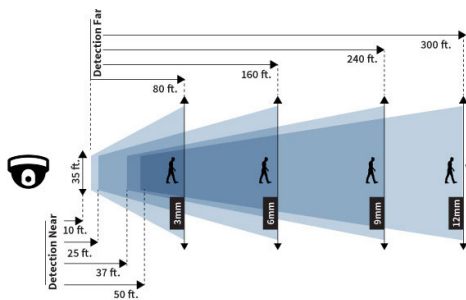
Video Analytics	Calibration-free, auto-adapting analytics Detects people up to 300 feet* Detects vehicles up to 500 feet** Detects moving objects (eliminates environmental motion) Zone violation Loitering person or stopped vehicle
Video Alarm	10-second video clip generated upon trigger of alarm; contains 2-4 seconds of pre-alarm video
Tamper Alarm	Poor video Loss of communication
Digital I/O (Access and Alarm Panel)	External trigger 5V, 10K Ω pull-up contact closure on video alarm, photo relay 300 V DC/AC

GENERAL

Dimensions	\varnothing 4.6" x 4.2" height
Connectors	Ethernet: RJ45, BNC, Terminal Block
Operating Conditions	-20°C to 50°C (-4°F to 122°F) Humidity: 10% to 90%, no condensation IP 66 weatherproof rating
Power Source	POE, DC12V, AC24V
Power Consumption	8W
Weight	1.1 lbs
Approvals	CE, FCC, UL E525932

MODELS

CV169M (No Audio)	201638
CV169A (Audio)	200560



*6-ft person walking at 4 mph across field of view.

**Vehicle (SUV-sized) moving across field of view at 10 mph.

†Results based on CheckVideo customer data.