

CheckVideo Gateway for Broadband Networks CV400



The 4-channel CheckVideo® Gateway for Broadband Networks (CV400) incorporates advanced video analytics technology, a video server and video recording, all in a single device. It enables cameras to be used as intelligent sensors for video verification of alarms. Built-in advanced video analytics technology looks for prespecified objects in the camera field of view such as people and vehicles.

When a prespecified object is detected in the alarm zone, a digital alarm signal is sent via the Internet to the monitoring center with a 10-second, full-color video clip including pre-alarm video, camera ID, time, type of alarm (person/vehicle), and site ID. Upon viewing the video clip, the operator can quickly determine whether people or vehicles have entered the alarm zone and verify or nullify the alarm. The alarm clip can be viewed using the CheckVideo Software Service¹ or can be integrated with the central station automation software interface.

CV400 can be used to augment an existing video recording system or provide complete DVR functionality by connecting any USB external hard drive for 24/7 recording. Live and recorded video can easily be accessed remotely.

Unlike passive infrared detectors (PIRs), which require an onsite presence to accurately set up the area of coverage, CV400 can be configured offsite. Installers need only to plug in cameras and connect to the Internet. All device configuration is done via a web browser from any location.

FEATURES

- **Intelligent Video Alarm Verification:** Dramatically reduces false alarms by up to 85% vs. outdoor PIRs or cameras with built-in PIR detection²
- **Alarm Panel Integration:** Allows for 4 dry contact relay inputs or outputs to be connected to an alarm panel
- **DVR Capability:** Functions as primary DVR, incorporating standard, low-cost USB hard drive (not included) for continuous recording and storage, or as an addition to existing camera/DVR system
- **Secure Offsite Storage:** Stores alarm video clips at secure offsite location
- **Digital Encoder:** Converts analog video signal to high-quality, low-bandwidth H.264 IP video
- **Remote Configuration:** Provides point-and-click video alarm configuration setup via the CheckVideo Software Service
- **Configuration Backup:** Stores configuration settings on the device and a secure offsite location
- **Automated System Health Monitoring:** Issues proactive alerts in case of camera tampering, poor video quality, or loss of communication
- **Low Current Draw:** Uses DC input for battery operation

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SPECIFICATIONS

Electrical

Power	9 to 12VDC, 1.66A 9VDC power supply included (UL approved in US & Canada)
Video Input	Four BNC NTSC/PAL, 75Ω terminated inputs
Video Output	Single BNC NTSC/PAL quad output with alarm detection indicators
Video Format	H.264; 10-second video clip; 10fps CIF, average size 200KB
Video Alarm Types	Person, vehicle, intelligent object motion, external sensor trigger
Video Recording	USB external hard drive (not included); 500GB drive provides approximately 60 days of 24/7 continuous recording
Network	RJ-45 Ethernet
Bandwidth Requirements	384kbps minimum upload speed; 512kbps+ for live streaming video (per camera)
Diagnostic LEDs	Video input signals (4) Network communication Ethernet signal Power on Boot up indicator DVR on
Contact I/O	4 dry contact relay inputs for alarm activation 4 dry contact relay outputs (2.0 AMP maximum) Phoenix connectors included
USB	USB 2.0 for external hard drive

Mechanical

Enclosure	Aluminum
Dimensions	2.0" (h) x 7.25" (w) x 7.5" (d)
Weight	2.5 lbs, including power supply
Operating Temperature	10° to 55° C (50° to 131° F)
Wall Mount (optional)	Part number CVMKZ04S1; accommodates external hard drive
Regulatory Approvals	FCC Part 15, Class B, RoHS6, TUV (US & Canada), CE



Figure 1: Front view of CV400



Figure 2: Back view of CV400

*For more information, contact your
CheckVideo dealer:*

¹ See CheckVideo Software Service technical specifications for further information about central station integration and appliance configuration.

² Results based on CheckVideo customer data.