



HD Analytics Gateway

CV4IP-4HD

Long range person and vehicle detection from **200 - 500+ ft**

Reliable protection (in HD) has never been this simple.

The CheckVideo HD Analytics Gateway™ (CV4IP-4HD) is a self-contained, Web-based intelligent video surveillance system with built-in advanced video analytics and recording for up to 4 channels of video. The HD Analytics Gateway is the **industry's only 4 camera video analytics solution for 1080p resolution with 200 ft. to over 500 ft. of detection.** It includes always-on advanced video analytics that are 400% more accurate than motion detection, 24x7 recording, a digital matrix display and automatic Cloud backup, all combined into a compact low-power device. Supporting up to 4 1080p full-HD streams per Gateway, the CV4IP-4HD is a cost-effective upgrade to an intelligent video system. Includes 2 TB hard drive for full DVR compatibility.

The HD Analytics Gateway works hand-in-hand with the CheckVideo VMS™ to provide all configuration, viewing and storage capabilities necessary for the user to realize the highest possible value from this solution. The CheckVideo VMS provides all ongoing management of up to 4 channels with off-site Cloud backup, multi-location federation and a powerful video search engine. The HD Analytics Gateway also supports longer range detection over 1000 ft with thermal cameras. Ranges for detection are dependent on lens, camera and lighting.

FEATURES



ADVANCED VIDEO ANALYTICS

Converts security cameras into intelligent video sensors by accurately detecting people, vehicles, loitering and zone-of-interest violations. Dramatically reduces false alarms by up to 85% vs. outdoor PIRs or cameras with built-in motion detection



BUILT-IN DVR

24x7 video recording with remote playback, backup and search. NO additional hardware needed!



FULLY MANAGED VMS

No software to download or install -- ever. Each channel has built-in tamper detection and 24/7 health monitoring. Automated software updates provide the latest features and remains completely secure.



SMART MATRIX

A local matrix display is available on a connected HDMI monitor. Analytics-triggered video clips draw attention to user-defined activities and alerts.

BENEFITS

VIDEO MONITORING

Protect and monitor remote sites without ever having to watch live feeds. Video alerts are instantly delivered to email, mobile device or to a central monitoring station.

VIDEO SEARCH ENGINE

Unique in the industry, instantly search one camera or multiple cameras at one or multiple locations in SECONDS, rather than hours or days.

GREATLY REDUCED INFRASTRUCTURE COST

With no additional software licenses to purchase or ANY additional hardware servers to maintain, you can provide multi-site federation to unlimited users.

AUTOMATED HEALTH SYSTEM MONITORING

The CheckVideo system automatically issues proactive alerts in cases of camera tampering, poor video quality or loss of communication. And the CheckVideo VMS provides built-in encryption to keep all data secure.

GENERAL

Dimensions	210mm x 35mm x 135mm
Connectors	Digital I/O 4 input 2 output HDMI- monitor output or VGA monitor output
Operating Conditions	0°C to 50°C (32°F to 120°F) Humidity: 10% to 90%, no condensation
Power Source	DC12V, with supplied power adapter
Power Consumption	15W; 1.0A
Weight	2.2 lbs
Approvals	CE, FCC, RoHS

ALARM EVENTS (ANALYTICS)

Analytics Setup	Calibration-free, auto-adapting analytics Classification and Tracking Engine Moving person Moving vehicles Detects moving objects (eliminates environmental motion) Zone violation Loitering Stopped vehicle Unlimited polygonal detection zones
Video Alarm Clip	10-second video clip generated upon trigger of alarm, contains 2-4 seconds of pre-alarm video
Alarm Triggers	Presence of person, vehicle, or motion Poor video Loss of communication

VIDEO

Input Video	ONVIF, RTSP streams, 20 frame GOV
Resolutions	Up to 1080p (1920x1080p)
Video Playback	Web Playback; iPhone®, Android™ compatible

NETWORK

Wired	10/100Mbps Ethernet (RJ-45)
Protocols	TCP/IP, UDP, HTTP, HTTPS, ICMP, DHCP, NTP, ONVIF

RECORDING

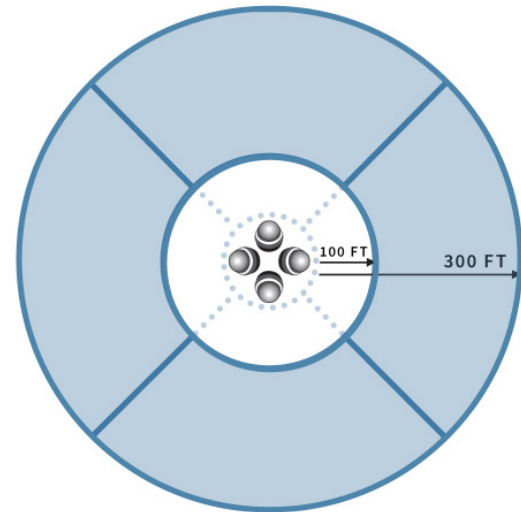
Format	H.264 constrained Baseline, Main or High Profile
Recording Frame-Rate	10,15,20,25, or 30 fps
Hard Drive	Built in 2TB hard-drive records 4 cameras in 1080p HD for 30 days

SMART MATRIX

Monitor	Supports external 1080p HDMI display
Live Matrix	Live streams from any ONVIF-compliant camera on the network to a maximum of 4.
Central Station Automation Integration	Bold Manitou, Micro Key MKMS, SIMS II/III, SureView Immix®, API available for integration to PSIMs

SECURE 600 FT X 600 FT WITH A SINGLE GATEWAY

(Based on 4 Axis 3225 cameras, 1/2.8" sensor, 1920x1080 resolution, and 90 degree HFOV)



DETECTION ZONE DEAD ZONE

Lens	Dead zone	Distance	Horizontal Angle
3 mm	100 ft	300 ft	90 °
6 mm	180 ft	500 ft	50 °
9 mm	250 ft	800 ft	36 °
12 mm	300 ft	1000 ft	27 °