



# 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

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

## ALARM EVENTS (ANALYTICS)

<b>Analytics Setup</b>	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
<b>Video Alarm Clip</b>	10-second video clip generated upon trigger of alarm, contains 2-4 seconds of pre-alarm video
<b>Alarm Triggers</b>	Presence of person, vehicle, or motion Poor video Loss of communication

## VIDEO

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

## NETWORK

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

## RECORDING

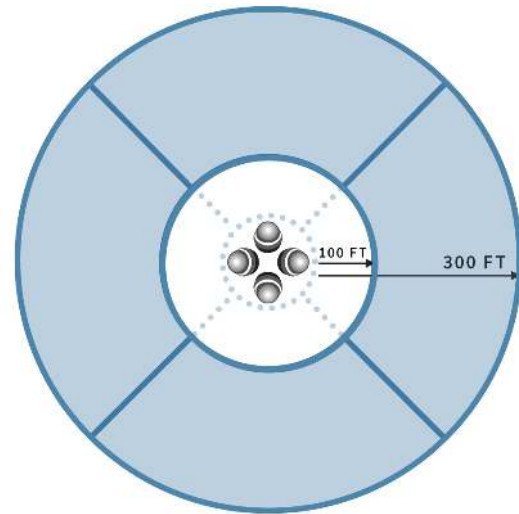
<b>Format</b>	H.264 constrained Baseline, Main or High Profile
<b>Recording Frame-Rate</b>	10,15,20,25, or 30 fps
<b>Hard Drive</b>	Built in 2TB hard-drive records 4 cameras in 1080p HD for 30 days

## SMART MATRIX

<b>Monitor</b>	Supports external 1080p HDMI display
<b>Live Matrix</b>	Live streams from any ONVIF-compliant camera on the network to a maximum of 4.
<b>Central Station Automation Integration</b>	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)



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 °