



# 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<br>HDMI- monitor output or VGA monitor output |
| <b>Operating Conditions</b> | 0°C to 50°C (32°F to 120°F)<br>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<br>Classification and Tracking Engine<br>Moving person<br>Moving vehicles<br>Detects moving objects (eliminates environmental motion)<br>Zone violation<br>Loitering<br>Stopped vehicle<br>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<br>Poor video<br>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

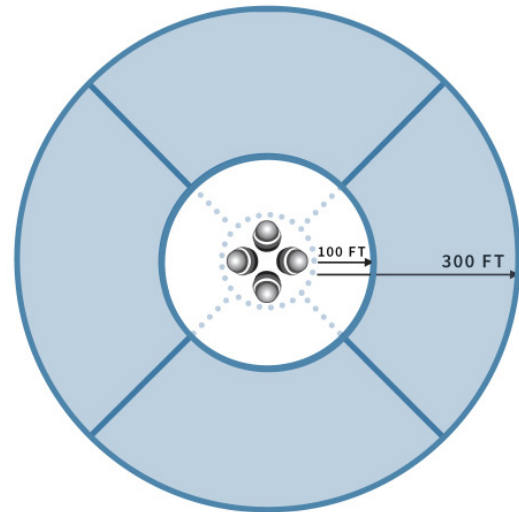
|                             |   |
|-----------------------------|---|
| <b>Format</b>               | H.264 constrained Baseline, Main or High Profile                  |
| <b>Recording Frame-Rate</b> | 10,15,20,25, or 30 fps  |
| <b>Hard Drive</b>           | Built in 2TB hard-drive records 4 cameras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



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 °             |