16-Channel IP Gateway

model CV4IP-16-12T

A complete, **cloud-based** intelligent video system with **advanced analytics**.

Reliable protection has never been this simple.

The CheckVideo 16-Channel IP Gateway (CV4IP-16-12T) is a self-contained, Web-based intelligent video surveillance system with **built-in advanced video analytics** and recording for **up to 16 channels of video**. The IP Gateway 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. With a capacity of 640 Megapixels/second, connect up to 16 4 Megapixel IP cameras or 6 4K cameras for stunning, high quality video.

The 16-Channel IP Gateway works hand-in-hand with the CheckVideo CloudVMS to provide all configuration, viewing and storage capabilities necessary for the user to realize the highest possible value from this solution. The CheckVideo CloudVMS provides all ongoing management of up to 16 channels with off-site Cloud backup, multi-location federation and a powerful video search engine.

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!

FULL CLOUD VMS
No software to download or install -- ever. Each channel has built-in tamper detection and 24/7 health monitoring.

MATRIX DISPLAY
A local matrix display is available on a connected HDMI monitor. View live video, play back recorded video, and control PTZ cameras through the intuitive user interface.

BENEFITS

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

MULTI-SITE FEDERATION
View cameras from multiple sites or recorders through a single interface, without ever having to log into the recorder.

AUTOMATED SYSTEM HEALTH MONITORING
The system automatically issues proactive alerts in case of camera tampering, poor video quality or loss of communication.

VIDEO SEARCH ENGINE
Find relevant video in seconds, saves hours of time compared to traditional DVR's

BUILT-IN CYBER-SECURITY
Hacker-proof and secured against network attacks.

RECORDING

Format
24x7 recording of H.264
Main or High Profile

Supported Frame-Rate
5, 10, 15, 20, 25, or 30 fps

Recording Resolutions
720p default. Configurable up to 8 Megapixels

Hard Drive
Built in 12TB hard-drive records 16 cameras in high definition for up to 30 days.

VIDEO

Input Video
RTSP streams, 2 second GOV, ONVIF discovery

Resolutions
Input up to 8 Megapixels max. 16 cameras or 640 Megapixels/sec or 64 Mbits/s

Video Playback
Local viewing, Web Playback, iPhone® and Android™ Apps

Streaming and Transcoding
RTSP re-streaming of input channels
Transcodes input video to 720p

GENERAL

Dimensions
2" (h) x 12.3" (w) x 11.5" (d)

Connectors
Digital I/O 4 input 4 output
HDMI- monitor output or CVBS spot monitor
USB - mouse

Operating Conditions
0°C to 40°C (32°F to 104°F)
Humidity: 10% to 90%, no condensation

Power Source/Power Consumption
DC12V / 60W; 5.0A

Weight
6.1 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

Central Station Automation Integration
Bold Manitou, Micro Key MKMS, SIMS II/III, SureView Immix®, API available for integration to PSIMs

NETWORK

Wired
Dual 10/100/1000 Ethernet
LAN Port for camera with built-in DHCP server
WAN Port for Internet access

Security
HTTPS, IP Filter

Protocols
TCP/IP, UDP, HTTP, HTTPS, ICMP, DHCP, NTP

OUTPUT

Monitor
Supports external 1080p HDMI display

Live Matrix Display
2x2, 3x3, or 4x4 live display and PTZ control of ONVIF cameras

BACK PANEL