



16-Channel IP NVR

model CV4IP-16-8T



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

Reliable protection has never been this simple.

The CheckVideo 16-Channel IP NVR (CV4IP-16-8T) 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 NVR 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 NVR works hand-in-hand with the CheckVideo Cloud VMS to provide all configuration, viewing and storage capabilities necessary for the user to realize the highest possible value from this solution. The CheckVideo Cloud VMS 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 Cloud VMS

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 8TB 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

