Ruggedized Mobile NVR
model CV4IP-8-LTE/CV4IP-8-XT

Compact **cloud-managed** recorder with **advanced analytics** and **cellular connectivity.**

Actionable Video Surveillance that can be deployed anywhere.

The Ruggedized Mobile NVR model CV4IP-8 is a compact all-in-one smart surveillance solution. With industry leading analytics technology that has been proven for over 20 years, the CV4IP-8 turns IP cameras into a pro-active detection solution. With an extended temperature rating combined with a tiny 4.5 inch x 4.5 inch form factor, the CV4IP-8 can be deployed virtually anywhere. With an input capacity of up to 320 Megapixels/sec, the Ruggedized Mobile NVR supports 4x 8M or 8x 4M cameras. It combines 24x7 on-premise recording combined with cloud backup in full 8MP resolution.

The Ruggedized Mobile NVR is configured and managed through CheckVideo's CloudVMS. Combine multiple NVRs and federate them into a single unified solution through Cloud VMS. Convert your IP cameras to an alarm sensor and send notifications to central stations for faster, verified response. There has never been an easier way to provide comprehensive security. Two models available: CV4IP-8-LTE (cellular service required). CV4IP-8-XT (without cellular).

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

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

CELLULAR CONNECTIVITY
With a LTE modem included (model CV4IP-8-LTE)*, no separate Internet connection is required. This makes it possible to deploy surveillance in remote areas, parking lots, gates and fencelines.
*Requires data plan.

BENEFITS

VERIFIED ALARMS
All IP cameras connected to the NVR become alarm sensors, enabling verified monitoring and push notifications. Be alerted instantly to possible intrusions and stop crime.

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
Onboard recording at 720p up to 8MP depending on incoming camera resolution. Optional cloud recording at up to 8MP.

Storage
Includes 1TB of onboard storage for up to 7 days of 24x7 video recording for up to 8 cameras.

VIDEO

Input Video
RTSP streams, 2 second GOV, ONVIF discovery

Resolutions
Supports up to 4x 8M or 8x 4M cameras. 320 Megapixels/second.

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

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

GENERAL

Dimensions
4.5" (h) x 4.5" (w) x 1" (d)
Antenna is 6.5" in length

Connectors
Power, HDMI, USB

Operating Conditions
-20°C to 60°C (-4°F to 140°F)
Humidity: 10% to 90%, no condensation

Power Source
Max: 10W (XT) or 12W (LTE). Includes 2A power supply.

Weight
1 lb

Approvals
FCC, CE

BACK PANEL

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 Wired (10/100) Ethernet. LAN port for IP camera network. WAN port for uplink using wired Internet connection. Note that networks ports are not PoE.

Cellular: Built-in LTE modem with automatic failover from wired WAN link. Requires cellular data plan not included (model CV4IP-8-LTE).
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Protocols
TCP/IP, UDP, HTTP, HTTPS, ICMP, DHCP, NTP

OUTPUT

Monitor
Supports external 1080p HDMI display

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

MODELS

CV4IP-8-LTE
201192 (cellular service required)
CV4IP-8-XT
201253 (without cellular)