CheckVideo Analytics Encoder
model G1102-16XT

Compact **cloud-managed** encoder with **advanced analytics** and **cloud backup.**

Reliable protection has never been this simple.

The CheckVideo Analytics Encoder (G1102-16XT) is a compact smart surveillance solution. With industry leading analytics technology that has been proven for over 20 years, the G1102-16XT 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 G1102-16XT can be deployed virtually anywhere. The CheckVideo Analytics Encoder has a capacity of up to 16 cameras and adds video analytics with cloud backup in full 8MP resolution.

The CheckVideo Analytics Encoder is configured and managed through CheckVideo's Cloud VMS. Combine multiple Analytics Encoders 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.

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.

NETWORK SECURITY
Secure encrypted communications. Hacker-proof and secured against network attacks

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

SECURE CLOUD STORAGE
Stores all alert video clips at an offsite location, ready for instant search and viewing.
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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.

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

VIDEO

Input Video
RTSP streams, 2 second GOV, ONVIF discovery

Resolutions
Supports up to 16x 2MP or 8x 4MP cameras.

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

OUTPUT

Monitor
Supports external 1080p HDMI display

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

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..

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

GENERAL

Dimensions
4.5" (h) x 4.5" (w) x 1" (d)

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

RECORDING

Cloud recording of event video at up to 8MP.
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