CHECKVIDEO

16 CHANNEL AI GATEWAY

G2104

The CheckVideo 16-Channel AI Gateway (G2104) is a smart video recorder for IP cameras. It is a cloud-managed intelligent video surveillance system with built-in advanced video analytics and recording for up to 16 channels of video. The IP Gateway includes 24x7 video recording, deep learning video analytics, a digital matrix display and automatic Cloud backup, all combined into a compact low-power device. With a capacity of 640 Megapixels/second, the gateway supports input video up to 8 megapixels per stream and frame rates from 5fps to 30fps. Connect up to 16x4MP IP Cameras or 8x8MP IP Cameras for stunning, high quality video. It is the easiest way to upgrade an IP camera system to a smart, cloud-connected solution.

The 16-Channel AI Gateway works seamlessly with the CheckVideo Cloud VMS to provide all configuration, viewing, and storage capabilities from a web portal enabling remote management and troubleshooting. The CheckVideo Cloud VMS provides federation of multiple gateways across sites with off-site Cloud backup and a powerful video search engine.

GATEWAY

DEEP LEARNING AI VIDEO ANALYTICS
AI analytics convert connected 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 RECORDER
24x7 video recording to an included 12TB HDD. Easily export and download video to a USB Drive or through the Cloud VMS.

EXTENSIBLE
Digital I/O for interfacing with alarm panels, gates, strobes and door hardware. Automatically trigger output when analytics detect a person or vehicle. Create a verification clip when a door is opened or alarm panel triggers.

LOCAL CONTROL
Functions as an onsite NVR. View live video, play back recorded video, and control PTZ cameras through the intuitive user interface.

VIDEO MANAGEMENT

CHECKVIDEO CLOUD VMS
All CheckVideo solutions feature 100% Web-based video management functionality with no 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 NVR's.

CYBER-SECURITY INCLUDED
Hacker-proof and secured against network attacks. Cameras isolated on a dedicated network port for added security.

RECORDING

Format	24x7 recording of H.264/H.265 input video	**Transcoding**	Generates secondary stream from each input stream.
Input Frame-Rate	5, 10, 15, 20, 25, or 30 fps. 2 second GOV	**Retention**	30 days, 16ch @5MP or 60day, 16ch @2MP RAID 0 or 1 options available

VIDEO

Video Compression	H.264/H.265 Main Profile	**Input**	320x240 to 3840x2160. Max 640Mpix/sec

GENERAL

Dimensions	2" (h) x 12.3" (w) x 11.5" (d)	**Power Source/Power Consumption**	DC12V / 60W; 5.0A
Connectors	Digital I/O 4 input 4 output HDMI- monitor output USB - mouse	**Weight**	6.1 lbs.
Operating Conditions	0°C to 40°C (32°F to 104°F) Humidity: 10% to 90%, no condensation	**Approvals**	CE, FCC, NDAA Compliant

ANALYTICS

Engine	Calibration-free, auto-adapting analytics Classification and Tracking Engine Moving person Moving vehicles Detects moving objects (eliminates environmental motion)	**Video Alarm Clip**	10-second video clip generated upon trigger of alarm, contains 2-4 seconds of pre-alarm video
Analytics	Zone violation Loitering Stopped vehicle Unlimited polygonal detection zones	**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, Immix®, API available for integration to PSIMs

NETWORK

Wired	Dual 10/100/1000 Ethernet LAN Port for camera network static IP WAN Port for Internet access with DHCP	**Security**	HTTPS, IP Filter
		Protocols	IPv4/v6, TCP/IP, UDP, HTTP, HTTPS, IGMP, DHCP, RTP/RTSP, HLS

OUTPUT

Monitor	Supports external 1080p HDMI display	**Live Matrix Display**	2x2, 3x3, or 4x4 live display and PTZ control of ONVIF cameras

ACCESSORIES

Part Number	KPN 201910
Rack Mount Kit	KPN 201183