



VIDEOIQ®

Powerful. Proactive. Zero Bandwidth.



VideolQ® iCVR™ Encoders

iCVR encoders upgrade any analog camera to IP connectivity and to all the benefits of the VideolQ iCVR, including powerful analytics, zero bandwidth recording and a powerful video management system. iCVR encoders can be used with analog PTZ and thermal cameras, or can upgrade any analog camera in place, replacing a conventional DVR. With up to a half terabyte of intelligent, onboard NVR storage within each encoder, iCVR encoders eliminate the need for expensive centralized storage and high capacity networks — reducing deployment costs, system complexity, infrastructure, time and resources. Additionally, VideolQ's embedded, adaptive analytics automatically calibrate in minutes, delivering superior real-time threat detection and forensic evidence at no additional cost. Finally, with an advanced, fully integrated VMS, VideolQ delivers the simplest, most powerful video surveillance system on the market within each iCVR encoder.

Key features:

- **Zero bandwidth recording.** Unlike conventional IP video surveillance systems which have significant bandwidth and storage requirements, VideolQ iCVR encoders store video in up to half a terabyte of onboard storage for months worth of recording, eliminating the need to stream images across a network to a central NVR — reducing network traffic and bandwidth consumption by over 90%. As a result, iCVR encoders simplify infrastructure dramatically, and can be easily deployed over existing networks, wireless networks and cellular connections.
- **The most advanced video analytics in the industry.** iCVR encoder real-time threat detection relies on VideolQ's award winning adaptive analytics. Uniquely distinguishing people, vehicles and boats from other objects, animals and scene movement, VideolQ's adaptive analytics deliver the most accurate threat detection on the market. The iCVR encoders issue alarms only when there is a viable threat, saving time and money by enabling security personnel to focus only on events of high interest.
- **Self-calibration.** VideolQ's adaptive analytics are 100% self-calibrating, eliminating the need to tune or adjust the analytics during installation. VideolQ's adaptive analytics also continuously calibrate, getting more accurate with each object detected. As a result, customers gain the highest level of accuracy on the market while reducing ongoing maintenance time and resources.
- **Email notification.** Whenever a rule configured by the customer is triggered, emails can be sent directly to any device supporting video email attachments or video mms, including cell phones, and smart phones, making it ideal for roaming guards or remote facility managers. Emails can be sent to as many as 32 approved addresses at the same time, and users can have their video system automatically notify and send them video clips of intruders or security breaches.
- **Two-way audio with recording capability.** VideolQ encoders can be configured for both audio talk down and listening capability, including full automated recordings of alarm events.
- **VideolQ View Video Management Software.** Every VideolQ encoder includes a copy of VideolQ View, a powerful video management software PC application designed for IP Video, analytic alarm and search, and decentralized storage, which can be installed on multiple PCs.
- **"Head and shoulders" indoor analytic detection.** This indoor detection mode enables accurate detection and tracking of people even when desks and furniture substantially obscure them as they move through a typical office environment.
- **Ready for any environment.** VideolQ iCVR encoders work with any analog camera, providing the customer with complete freedom of choice in camera type, size, and vendor, and enabling upgrading of existing cameras in place. iCVR encoders provide PTZ control via RS 485 connection to any Pelco P or D protocol compatible camera.

iCVR Encoders — Specifications

IP Encoders with onboard adaptive analytics, onboard NVR storage and integrated VMS

Encoder Models

- VIQ-E1016 — One channel — 160 GB Hard Drive
- VIQ-E1050 — One channel — 500 GB Hard Drive
- VIQ-E1008-XT — One channel — Extreme Temp, 80 GB Hard Drive

For more information on VideoIQ's iCST line of streaming encoders, designed specifically for use in centralized storage environments, please visit www.videoiq.com

Encoder Accessories Available

- VIQ-ERMK — Encoder 19" Rack-Mount Kit

Encoder Specifications

- Protocol pass-through to PTZ cameras — RS485
- Pelco P or D protocol
- Software PTZ control from View software
- Video input: NTSC or PAL via BNC connector

Storage Specifications

- Internal storage: 1 GB solid state memory in all models
- All hard drives include patent pending hard drive lifespan extension technology: increases life expectancy of hard drive to 10+ years
- Typical storage time for 160 GB: 2-4 months
- Typical storage time for 500 GB: 6-12 months

Video Compression Specifications

- H.264 compression
- Frame Rate: Up to 30 frames per second in all resolutions
- Dual Stream Encoding: Alarm events at high quality, resolution and frame rate. Continuous recording at lower quality, resolution and frame rate. (selectable)
- Visual alarm indicators (colored boxes around objects detected) can be turned on or off at the display
- Programmable pre-alarm video recording

Networking and Communications

- Ethernet 10/100 BaseT — RJ45 connector
- Protocols: HTTP, HTTPS, TCP, RTSP, UDP, RTCP, DHCP, NTP, DNS
- ZeroConf auto IP discovery of cameras
- Security: Multiple user access levels with password protection, IP address filtering, and HTTPS encryption
- Serial communications: RS-232 and RS-485 — terminal block
- Web browser access to camera via built-in web server

Adaptive Video Analytics

- Powerful VideoIQ analytic engine with rich library of behaviors
 - Fence-line and Perimeter Crossing Detection
 - Area Protection
 - Direction of Travel Alerts
 - Crowd Detection
 - Loitering and Dwell Time Alarms
 - Missing Object Detection
 - Cross Camera Object Search
- Automatic alarm reporting with highlighted video clip
- Fully automated calibration and tuning: delivering the highest level of accuracy while reducing installation time and maintenance

Alarm and Audio Inputs and Outputs

- 3.5mm Audio jack
- Audio compression: G.711
- Audio streaming live two-way: half duplex
- Audio recording —alarm or continuous: full duplex
- Two alarm inputs — TTL
- Alarm output — Optical relay, 250mA max., programmable normally open or normally closed

Diagnostics

- Loss of communications trouble alert
- Hard drive failure alert
- Scene change trouble alert
- Self-diagnostics built in

Power

- Power over Ethernet (IEEE 802.3af) class 3
- 12VDC: 10W max
- 24VAC: 10W max
- 6 watts typical

Environmental

- Operating Temp: 0°C to 50°C (32°F to 122°F)
- Extreme Temp models: -30°C to 60°C (-22°F to 140°F)
- Storage Temp: -30°C to 70°C (-22°F to 158°F)
- Humidity: 20-80% RH (non-condensing)

VideoIQ View™ Software System Requirements

- CD-ROM with View software included with camera
- Core-2 Duo 2.0 GHz CPU or higher
- 2 GB RAM
- Windows XP, Vista, or Windows 7

Dimensions and Weight

- (L x W x H): 7.60" x 3.45" x 2.45"
(19.30 cm X 8.75 cm X 6.20 cm)
- Weight: 1.4 pounds (620 grams)

Warranty

- 2-years, parts and repair labor

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