VideoIQ®

Powerful. Proactive. Zero Bandwidth.

VideoIQ® iCVR-HD High Definition Cameras

iCVR-HD cameras are revolutionary devices that deliver full 1080p resolution and frame rate, zero bandwidth recording, full megapixel analytics and support for IQTrack™ — automatic digital PTZ zoom and track. With up to a half terabyte of intelligent, onboard Network Video Recorder (NVR) storage within each camera, iCVR-HD high definition cameras eliminate the need for expensive centralized storage and separate high capacity networks — reducing deployment costs, system complexity, infrastructure, time and resources. Additionally, VideoIQ's embedded, adaptive analytics automatically calibrate in minutes, delivering superior real-time threat detection and forensic evidence at no additional cost. And with an advanced, fully integrated VMS, VideoIQ delivers the simplest, most powerful video surveillance system on the market within each iCVR-HD camera.

Key features:

- **Full 1080p/30 video.** VideoIQ iCVR-HD cameras are VideoIQ's highest resolution cameras, delivering dramatic 1080p video at up to 30 frames per second. With almost seven times the resolution of a standard VGA camera, the iCVR-HD allows customers to digitally zoom in for superior detail, or cover nearly three times the horizontal area — reducing costs by requiring fewer cameras for the same area.

- **Zero bandwidth megapixel recording.** Unlike conventional megapixel cameras, VideoIQ iCVR-HD cameras store full 1080p video in up to a half terabyte of onboard NVR storage for months worth of recording, eliminating the need to stream high-resolution images across a network to a central NVR — reducing network traffic and bandwidth consumption by over 90%. As a result, iCVR-HD cameras simplify infrastructure dramatically, and can even be deployed in environments that are impractical for conventional megapixel cameras, including mixed IT networks, wireless networks, and WAN deployments.

- **Megapixel video analytics.** VideoIQ's patented video analytic technology is the only one capable of processing full megapixel streams on-camera — producing the highest accuracy and greatest range. iCVR-HD analytics deliver over two times the range of D1 analytics. Additionally, with a wider field of view and higher resolution than standard resolution cameras, VideoIQ's iCVR-HD cameras allow operators to capture greater detail and track objects for longer periods of time, delivering better context and perspective on suspicious behavior. Finally, the camera's real-time threat detection relies on VideoIQ's award winning adaptive analytics, which self calibrate in minutes, maintain calibration over time, and are capable of uniquely distinguishing people, vehicles and boats from other objects, animals and scene movement.

- **IQTrack™.** VideoIQ iCVR-HD cameras use unique VideoIQ intelligence to automatically identify, track and digitally zoom in on suspicious objects, delivering enhanced detail, while continuing to monitor and record the entire scene. This industry first enhances operator effectiveness by focusing attention on critical activity while maintaining the necessary scene context to appropriately respond to threats and investigate after the incident.

- **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.** VideoIQ high definition cameras can be configured for both audio talk down and listening capability, including fully automated recordings of alarm events.

- **VideoIQ View Video Management Software.** Every VideoIQ high definition camera includes a copy of VideoIQ View, a powerful video management software PC application designed for megapixel 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.** VideoIQ's iCVR-HD cameras are vandal proof, IP66 rated and have a full line of mounting accessories for indoor or outdoor use.

iCVR-HD Fixed Dome Camera — Specifications

IP Fixed Megapixel Dome Cameras with onboard adaptive analytics, onboard NVR storage and integrated VMS

High Definition Dome Camera Models
- VIQ-HD-CRD225-3-8 — Day/night, 250 GB hard drive, 3-8mm lens
- VIQ-HD-CRD250-3-8 — Day/night, 500 GB hard drive, 3-8mm lens

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

Dome Camera Accessories Available
- Full range of mounting accessories available, including recessed, surface, pendant, wall, corner, and pole mount options

Camera Specifications
- Wide dynamic range 1080p CMOS image sensor
- Mechanical Day/Night Filter
- 1920 X 1080 pixels (1080p)
- Dynamic Range: 70dB (typical)
- Sensitivity 0.25 lux at F1.2
- Signal to Noise greater than 50db
- Auto iris and white balance control
- Analog output: NTSC or PAL via BNC connector (for focusing only)

Storage Specifications
- Internal storage: 2 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 250 GB: 1 month
- Typical storage time for 500 GB: 2 months

Video Specifications
- H.264 compression, main profile
- 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 camera or display software
- 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
- Web browser access to camera via built-in web server

Adaptive Megapixel Video Analytics
- Powerful VideoIQ adaptive 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 video verification 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 I/O 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
- 7 watts typical

Environmental
- Operating Temp: -20°C to 50°C (-4°F to 122°F)
- Low Temp models: -30°C to 50°C (-22°F to 122°F)
- Storage Temp: -30°C to 70°C (-22°F to 158°F)
- Humidity: 20-80% RH (non-condensing)
- Heater and blower built in

VideoIQ View™ Software System Requirements
- CD-ROM with View software included with camera
- Quad-core 2.0 GHz CPU or higher
- 4 GB RAM or higher
- Windows XP, Vista, or Windows 7

Dimensions
- Camera Dimensions: 6.3″ outer diameter x 8.19″ tall (with surface mount kit) (16.00 cm outer diameter x 20.8 cm tall)

Warranty
- 2-years, parts and repair labor

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