



VIDEOIQ®



## VideoIQ® iCVR-HD IP Camera

The only true megapixel analytics device

VideoIQ is the first and only company to deliver true real-time megapixel analytics in an all-in-one device. This means every VideoIQ video surveillance system delivers high definition video along with the industry's most reliable and accurate analytics and onboard distributed NVR storage. The feature rich iCVR HD camera is easy to install because of the continuously self-calibrating analytics and can be deployed over low bandwidth networks, eliminating the need for high-capacity networks. The iCVR HD camera and VideoIQ architecture is designed to address the most challenging security needs in the most difficult of environments. It is the right choice for pro-active, intelligent video surveillance.

### iCVR-HD Quick Facts

- ▶ 1080p/30fps video provides 7x the resolution of a standard VGA camera.
- ▶ Embedded, adaptive analytics for real-time threat detection and forensic evidence.
- ▶ Free VideoIQ View™ software offers IQTrack™ which tracks and zooms-in automatically
- ▶ On-board distributed storage eliminates continuous streaming to central servers.
- ▶ Simple, user configurable rules-based alerts can be sent to multiple VMS users and emails simultaneously.
- ▶ Continuously self-calibrating analytics reduce install time and false positive alarms.
- ▶ Scalable and pro-active intelligence in one device.

### Key Features

**The industry's ONLY high definition analytics.** 1080p/30fps video provides dramatic clarity, range and accuracy. When combined with VideoIQ's award-winning adaptive analytics, which are based on pattern analysis rather than pixel analysis, they become more accurate, reducing false positive alarms. This allows security personnel to focus only on events of high interest.

**On-board storage eliminates costly infrastructure.** Unlike conventional megapixel cameras, the iCVR-HD cameras uniquely store full 1080p video in up to 750 GB of onboard NVR storage. This eliminates the need to continuously stream video to central storage — reducing network traffic and bandwidth consumption by over 90%. As a result, the iCVR-HD can be deployed in any environment, including mixed IT networks, wireless networks, and WAN deployments.

**Easy to install and use.** Continuously self-calibrating analytics adapt to the installed environment, eliminating manual programming and reducing installation and maintenance costs. Free VideoIQ View™ software further simplifies operation for end-users and integrators. And the system is widely integrated with leading 3rd party VMS providers.

**Effortlessly scales megapixel video in any deployment.** As an all-in-one device, the iCVR-HD camera can gracefully scale from 1 to 1000+ cameras without re-engineering the network. Storage requirements and streaming are automatically managed to control bandwidth usage, making it easy to add cameras without requiring additional infrastructure or compromising analytic or forensic quality.

## Enhanced Features

<b>Two-way Audio</b>	Live audio interaction is a proven method to reduce theft and vandalism. Provides real-time response to threats.
<b>Alarm I/O</b>	Interact with other hardware devices or sensors.
<b>Motorized Lens</b>	Allows for remote fine-tuning of field of view improving accuracy and minimizing maintenance.
<b>Multiple Power Options</b>	PoE, 12VAC, 24VAC. PoE can be combined with 12 or 24V for redundancy.
<b>IP66 Enclosure</b>	Ready to go for indoor or outdoor environments
<b>On-board NVR storage</b>	Reduces bandwidth usage, offers robust standalone storage and enables linear scalability. Up to 750GB available.

## iCVR-HD Fixed Dome Camera — Specifications

### 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
- VIQ-HD-CRD232-3-8-MF — Day/night, 320 GB hard drive, motorized focus, 3-8mm lens
- VIQ-HD-CRD275-3-8-MF — Day/night, 750 GB hard drive, motorized focus, 3-8mm lens
- Available as Low Temp models (-LT)

### 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

### 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 use: 250 GB per month

### Video Specifications

- H.264 compression, Main, Baseline or High Profile
- MJPG Stream for mobile/web viewing
- Recording up to 30fps in Alarm Recording, 15fps in non-Alarm
- Dual Stream Encoding: Independent control of viewing and recording stream, from selected settings

### Alarm and Audio Inputs and Outputs

- RCA Audio I/O jack
- Audio compression: G.711
- Audio streaming live two-way: full duplex
- Audio recording — alarm or continuous
- Two alarm inputs — TTL
- Alarm output — Optical relay, 20mA max., programmable normally open or normally closed

### Networking and Communications

- Ethernet 10/100 BaseT— RJ45 connector
- 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

### Self-Calibrating High Definition Video Analytics

- Powerful VideoIQ self-calibrating 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

### Power

#### Standard Cameras:

- PoE Class 3, 12VDC, 24VAC
  - 10 watts max power, 7 watts typical
- Low Temp Models (when below 15°F):

- 42W max power, 32W typical
- Low-temp cameras require 12VDC or 24VAC power

### 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

### Diagnostics

- Loss of communications trouble alert
- Hard drive failure alert
- Scene change trouble alert

### Warranty

- 2-years, parts and repair labor

### Dimension and Weight

- Camera Dimensions: 6.3" outer diameter x 8.19" tall (with surface mount kit) (16.00 cm outer diameter x 20.8 cm tall)
- Weight: 4.2 pounds (1.9 kg)

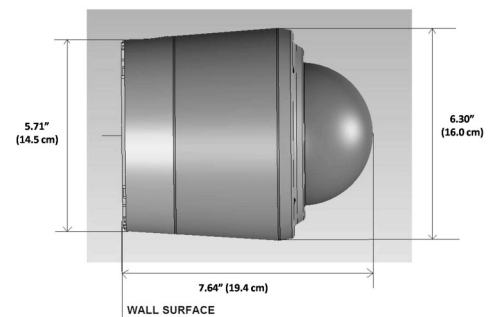
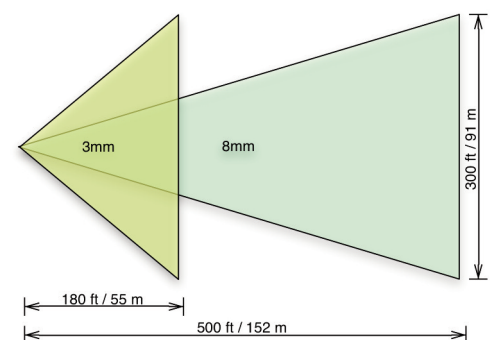


Illustration of Dimensions



iCVR HD 1080p 2.1 Megapixel Camera Typical Coverage Charts (Overhead View)

- Typical FOV width: 300 feet / 91 meters

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