



# VIDEOIQ®

Powerful. Proactive. Zero Bandwidth.



## VideoIQ® iCVR™ D1 Dome Cameras

iCVR Dome cameras are revolutionary devices that deliver state of the art video quality, superior lens options, powerful self-calibrating analytics, zero bandwidth recording and a powerful video management system. VideoIQ's embedded, self-calibrating analytics automatically calibrate in minutes, delivering superior real-time threat detection and forensic evidence at no additional cost. Additionally, with up to a half terabyte of intelligent, onboard NVR storage within each camera, iCVR dome cameras eliminate the need for expensive centralized storage and high capacity networks — reducing deployment costs, system complexity, infrastructure, time and resources. Finally, with an advanced, fully integrated VMS called View™, VideoIQ delivers the simplest, most powerful video surveillance system on the market within each iCVR dome camera.

### Key features:

- **The most advanced video analytics in the industry.** iCVR dome camera's real-time threat detection relies on VideoIQ's award winning self-calibrating analytics. Uniquely distinguishing people, vehicles and boats from other objects, animals and scene movement, VideoIQ's self-calibrating analytics deliver the most accurate threat detection on the market. The dome cameras 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.
- **Zero calibration.** VideoIQ's self-calibrating analytics eliminate the need to tune or adjust the analytics during installation. VideoIQ's self-calibrating analytics also get 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.
- **Zero bandwidth recording.** Unlike conventional IP video surveillance systems which have significant bandwidth and storage requirements, VideoIQ iCVR dome cameras 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 dome cameras simplify infrastructure dramatically, and can be easily deployed over existing networks, wireless networks and cellular connections.
- **Superior camera performance.** VideoIQ cameras feature sensor options ranging from purpose built indoor sensors to wide-dynamic range day/night sensors built for the most challenging daytime and low light nighttime outdoor conditions.
- **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 them and send video clips of intruders or security breaches.
- **Two-way audio with recording capability.** VideoIQ dome cameras can be configured for both audio talk down and listening capability, including full automated recordings of alarm events.
- **VideoIQ View™ Video management software.** Every VideoIQ dome camera includes a copy of VideoIQ 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.
- **Indoor and IP66 rated outdoor domes.** VideoIQ iCVR dome cameras range from economical indoor models to fully featured outdoor models that are designed for the most challenging environments.

# iCVR D1 Fixed Dome Camera — Specifications

## IP Fixed Dome Cameras with onboard self-calibrating analytics, onboard NVR storage and integrated VMS

### D1 Fixed Dome Camera Models

- VIQ-CID116-3-8 — Indoor only, 160 GB hard drive, 3-8mm lens
- VIQ-CRD216-3-10 — Day/night, 160 GB hard drive, 3-10mm lens
- VIQ-CRD216-18-50 — Day/night, 160 GB hard drive, 18-50mm lens
- VIQ-CRD250-3-10 — Day/night, 500 GB hard drive, 3-10mm lens
- VIQ-CRD250-18-50 — Day/night, 500 GB Hard Drive, 18-50mm lens

• Available as Low Temp models (-LT)

For more information on VideolQ's iCST line of streaming D1 dome cameras, designed specifically for use in centralized storage environments, please visit [www.videolq.com](http://www.videolq.com)

### Dome Camera Accessories Available

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

### Camera Specifications — CRD Series (Outdoor models)

- Ultra wide dynamic range 1/3" image sensor
- Mechanical Day/Night Filter
- 704 X 480 pixels (D1)
- 540 lines horizontal resolution
- Dynamic Range: 102dB (typical) 120dB (max)
- Sensitivity 0.025 lux at F1.2
- Signal to Noise greater than 52db
- Auto iris and white balance control
- Analog output: NTSC or PAL via BNC connector (for focusing only)

### Camera Specifications — CID Series (Indoor models)

- 1/3" progressive CMOS image sensor
- 704 X 480 pixels (D1)
- Sensitivity 1.0 lux at F1.2
- Signal to Noise greater than 50db
- Manual iris with auto white balance control
- Analog output: NTSC or PAL via BNC connector (for focusing only)

### 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 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 camera or display software
- Programmable pre-alarm video recording

### Networking and Communications

- Ethernet 10/100 BaseT — RJ45 connector
- Protocols: HTTP, HTTPS, TCP, RTSP, UDP, RTP, 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

### Self-Calibrating Video Analytics

- Powerful VideolQ 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

### Alarm and Audio Inputs and Outputs (Not included in CID100 series)

- 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

### 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 (except Low Temp models)
- 12VDC: 10W max (Not available in CID100 series)
- 24VAC: 10W max (Not available in CID100 series)
- 7 watts typical

### Low Temp Models (when below 15°F)

- 12VDC: 42W max
- 24VAC: 42W max
- 32 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

### VideolQ View™ Software System Requirements

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

### 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)

### Warranty

- 2-years, parts and repair labor

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