

MP-980DN Megapixel Network Camera



- 2 Megapixel CMOS Sensor (1600 x 1200)
- Automatic Day/Night Function
- H.264 High-Profile, MPEG-4 and M-JPEG Compression
- 0.03 Lux Low Light Capabilities @ 20 IRE
- Power-over-Ethernet (IEEE 802.3af)
- Supports ONVIF Global Standard

Overview

Vicon's MP-980DN I-Onyx Megapixel Camera is a professional-series fixed network camera featuring superb image quality and exceptional bandwidth efficiency. Day and night operation is achieved by a built-in removable IR-cut filter, so the camera is able to maintain clear images 24 hours a day.

The MP-980DN supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and M-JPEG compatibility, video streams can also be transmitted in either of these formats for versatile applications. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further reducing bandwidth and storage requirements. Users can receive multiple streams simultaneously in different resolutions, frame rates and image qualities for viewing on different platforms.

Installation of the MP-980DN is made easy and cost effective with Power over Ethernet (IEEE 802.3af), which eliminates the need for power cables. Additionally, the unit incorporates an adapter ring to improve lens compatibility with either C- or CS-mount lens.

The seamless integration with the ViconNet® Video Management System make this camera a strong choice for reliable and high performance surveillance applications. The camera includes support for the industry-standard ONVIF interface for interoperability between network video products.

Network Video Transmission

Compression:	H.264; MPEG-4 and M-JPEG.
Resolution:	1600 x 1200. Supports video cropping for bandwidth efficiency.
Image Settings:	Adjustable image size, quality and bit rate; Time stamp and text caption overlay; Flip and mirror; Configurable brightness, contrast, saturation, sharpness, white balance, AGC, AWB, AES; Automatic, manual or scheduled day/night mode; BLC (Backlight Compensation); Supports privacy masks.
Frame Rates:	Up to 30 fps at 800 x 600; up to 15 fps at 1600 x 1200.
Users:	Live viewing for up to 10 clients.
Security:	IP address filtering, HTTPS encrypted data transmission, 802.1X port-based authentication for network protection.
Supported Protocols:	ONVIF, IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1x.

Camera and Optics

Image Sensor:	1/3.2" CMOS sensor.
Signal to Noise Ratio:	45 dB.
Lens:	CS-mount.
Minimum Illumination:	Color: 0.09 fc (0.9 lux); B/W: 0.003 fc (0.03 lux), @20 IRE.
Shutter Time:	1/5 sec to 1/40,000 sec.

Controls and Connectors

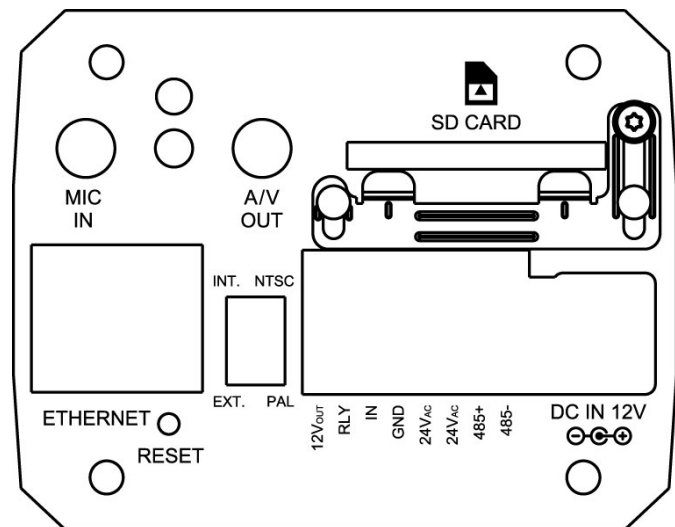
External Controls:	LEDs: red, system power and status; Green, network link and system activity. Reset Button: sets factory defaults. Light Sensor: determines environment lighting. 60/50 Hz: (NTSC/PAL DIP switch). MIC In. Microphone Int/Ext: DIP switch. (Audio is not supported by ViconNe)
Connectors:	Power: 12 VDC: jack; 24 VAC: terminal block. PoE/Ethernet: RJ-45 CAT 5. Local Storage: SD card slot. DC Lens: 4-pin molded connector. A/V output. Alarm. Refer to Rear Panel diagram.

Mechanical

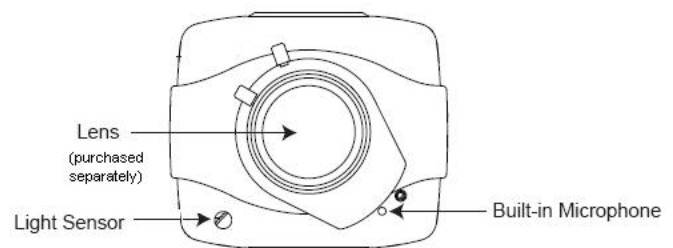
Casing:	Aluminum.
Lens Mount:	CS-mount; C-mount adapter provided.
Camera Mount:	1/4-20 threaded hole on camera top and bottom.
Dimensions:	6.1 in. (154 mm) (L) x 2.8 in. (72 mm) (W) x 2.4 in. (62 mm) (H).
Weight:	1.5 lb (664 g).
Input Power:	12 VDC, 24 VAC, PoE (IEEE 802.3af Class 0).
Current:	12 VDC: 0.3 A; 24 VAC: 0.33 A; PoE: 0.1 A.
Power Consumption:	24 VAC/12 VDC: Max 8 W.
Heat Equivalent:	PoE: 4.8 W. 0.45 btu/min (0.1 kg-cal/min).

Environmental

Operating Conditions:	32 to 122° F (0 to 50° C).
Approvals:	FCC Class B; CE, LVD, VCCI, C-Tick.
Warranty:	3 years.



Rear Panel



Camera Front

Data Sheet Number: V207
Dated: 03/2010

Vicon data Sheet Number: 8009-7207-00-01
Specifications subject to change without notice.

www.vicon-cctv.com

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