



I-ONYX IP Megapixel Cameras

Powerful Megapixel Cameras Bring the Details Into Focus

- Compatible with ViconNet version 5 software with megapixel support
- Up to 1.3 megapixel resolution; micron megapixel CMOS module
- Uses M-JPEG/MPEG-4 compression
- Competitive fps performance
- Models available with PoE (Power over Ethernet)
- Indoor, outdoor, day/night and IR day/night versions
- Bullet, box, dome and vandal-proof dome models
- A variety of lenses are offered, depending on model

When every detail matters, the I-ONYX® line of megapixel cameras delivers more than 3X the resolution of standard video cameras. I-Onyx Megapixel Cameras are powerful IP cameras compatible for operation within a ViconNet® (version 5 software) digital video management system. Offering the ability to deliver 1.3 megapixel resolution video across the network, the camera can be remotely managed and controlled from ViconNet NVRs, DVRs and Workstations.

The cameras are available in box, bullet, dome or vandal-proof models for indoor, outdoor, day/night and IR day/night functionality.

The cameras' superior resolution makes them ideal for the identification of people or objects from a distance as well as for covering wide areas without panning. This provides the capability

to digitally zoom further into the live or the recorded video without losing focus and pixelating.

I-ONYX cameras are equipped with a 100 Mbps LAN interface board that allows them to directly plug in to a network switch on ViconNet NVRs.

The MP-955 series is a 1/3-inch format camera with a micron progressive scan CMOS image device. It has a maximum resolution of SXGA (1280 x 1024) and offers frame rates up to 8 fps (lower resolutions provide higher fps – refer to Technical Information). The camera offers a selectable compression type of MPEG-4 or M-JPEG. All models include a micron megapixel CMOS module

For a full description of ViconNet features, refer to the data sheet on ViconNet version 5.0.

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Model No.	Product Code	Description
MP-955	9607-00	1/3 in. color megapixel IP box camera; 4.2 mm/F1.8 lens, PoE/12 VDC
MP-955DN	9607-10	1/3 in. day/night megapixel IP box camera; 4.2 mm/F1.8 lens, PoE/12 VDC
MP-955IR	9607-20	1/3 in. IR day/night megapixel IP bullet camera; 3.3-12 mm/F1.4 lens, PoE/12 VDC; IP66
MPD-955	9608-00	1/3 in. color megapixel IP indoor dome camera; 4.2 mm/F1.8 lens, PoE/12 VDC; 3-in. dome
MPD-955DN-O	9608-20	1/3 in. day/night megapixel IP outdoor vandal-proof dome camera; 3.3-12 mm/F1.4 lens, PoE/12 VDC; 3-axis rotation, surface mount; IP66



Technical Specifications

Model	MP-955DN/ MPD-955DN-O	MP-955IR	MP-950/ MPD-955
Camera			
Image Device	1/3-inch Micron Progressive Scan CMOS	1/3-inch Micron Progressive Scan CMOS	1/3-inch Micron Progressive Scan CMOS
Color/Monochrome	Day/Night Color	IR Day/Night Color	Color
Resolution	1.3 megapixel (1280x1024)	1.3 megapixel (1280x1024)	1.3 megapixel (1280x1024)
Sensitivity fc (lux)	Color mode automatically switches to B/W under 0.65 fc (7 lux) B/W: 0.0046 (0.05) @ 30 IRE, max AGC, F1.8 lens (F1.6 for MPD-955DN-O)	Color mode automatically switches to B/W under 0.65 fc (7 lux) B/W: 0 fc/lux when IR LED on	0.046 (0.5) @ 30 IRE, max AGC, F1.8 lens
Synchronization	Internal	Internal	Internal
Electronic Iris (sec)	1/10-1/2000 (50/60 Hz)	1/10-1/2000 (50/60 Hz)	1/10-1/2000 (50/60 Hz)
BLC	Yes	Yes	Yes
AGC	Automatic (user defined)	Automatic (user defined)	Automatic (user defined)
IR Illumination	Mechanical IR cut filter	24 LEDs (850 nm); sensitivity from 700-1100 nm; distance 66-98 ft (20-30 m) @30 IRE	N/A
White Balance	6 modes configurable	6 modes configurable	6 modes configurable
Signal-to-Noise Ratio	>44 dB	>44 dB	>44 dB
Lens			
Focal Length (mm) (manual iris)	4.2/F1.8 (3.3-12, F1.6 for MPD-955DN-O)	3.3-12 varifocal/F1.6	4.2/F1.8
Angle of View	Horiz: 75°	Horiz: 89.8° - 23.9°	Horiz: 75°

ELECTRICAL

Input Voltage: 12 VDC or PoE (802.3af compatible).
MP-950: 3.3 VDC ±10%.

Power Consumption: MP/MPD-955: 3.3 W (VDC);
4.3 W (PoE).
MP-955IR: 6 W (VDC, IR on);
6.24 W (PoE, IR on).
MPD-955DN-O: 3.4 W (VDC, w/o heater/fan);
13.2 W (VDC, w heater/fan);
4.4 W (PoE, w/o heater/fan).
MP-950: 2.4 W.

VIDEO COMPRESSION

Picture Resolution and Frame Rate: SXGA: 1280 x 1024 up to 8 fps;
HD720: 1280 x 720 up to 10 fps;
VGA: 640 x 480 up to 30 fps.

MECHANICAL

Application: MP-966DN/MPD-955/MP950: Indoor.
MP-955IR/MPD-955DN-O: Outdoor.

Dimensions:

MP-955DN
2.17 x 2.64 x 5.1 in.
(55 x 67 x 129.5 mm).
MP-955IR (H x W x D)
2.98 x 3.03 x 8.66 in.
(75.6 x 77 x 220 mm).
MPD-955 (Diam x Ht)
5.12 x 3.9 in. (130 x 99 mm).
MPD-955DN-O (Diam x Ht)
6.0 x 4.5 in. (151.7 x 115 mm).
MP-950 (H x W x D)
3.35 x 3.46 x 2.05 in.
(85 x 88 x 52.1 mm).

ENVIRONMENTAL

Operating Temperature Range: MP-955DN: 32-122 F (0-50° C).
MP-955IR: -4-122° F (-20-50° C).
MPD-955: 14-122° F (-10°-50° C).
MPD-955DN-O: -22-122° F (-30-50° C), 7-122° F (-5-50° C) PoE.
MP-950: 32-104° F (0-40° C).

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Vicon part number 8015-5118-01-00 Product specification subject to change without notice.