



# 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; progressive scan 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 impact-resistant 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 and higher 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 impact-resistant dome 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 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.

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

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 impact-resistant dome camera; 3.3-12 mm/F1.4 lens, PoE/12 VDC; 3-axis rotation, surface mount; IP66

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# Technical Specifications

Model	MP-955DN/ MPD-955DN-O	MP-955IR	MP-955/ MPD-955
<b>Camera</b>			
Image Device	1/3-inch Progressive Scan CMOS	1/3-inch Progressive Scan CMOS	1/3-inch 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: 0.046 (0.5) B/W: 0.0046 (0.05) @ 30 IRE, max AGC, F1.8 lens Color mode automatically switches to B/W under 0.65 fc (7 lux)	IR LED OFF: Color: 0.046 (0.5) B/W: 0.0046 (0.05) @ 30 IRE, max AGC, F1.8 lens B/W: 0 fc/lux, IR LED ON Color mode automatically switches to B/W under 0.65 fc (7 lux)	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); distance 66 ft (20 m) @30 IRE	N/A
White Balance	6 modes configurable	6 modes configurable	6 modes configurable
Signal-to-Noise Ratio	>45 dB	>45 dB	>45 dB
<b>Lens</b>			
Focal Length (mm) (manual iris)	4.2/F1.8/ 3.3-12, F1.6	3.3-12 varifocal/F1.6	4.2/F1.8
Angle of View	Horiz: 75°/ 89.8° - 23.9°	Horiz: 89.8° - 23.9°	Horiz: 75°

## ELECTRICAL

Input Voltage: 12 VDC or PoE (IEEE 802.3af Class 3).

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).

## 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-955DN/MPD-955/MP955: Indoor.  
MP-955IR/MPD-955DN-O: Outdoor.

Dimensions: MP-955DN/MP-955  
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).

## ENVIRONMENTAL

Operating Temperature  
Range: MP-955/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.

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Vicon part number 8015-5118-02-00 Product specification subject to change without notice.