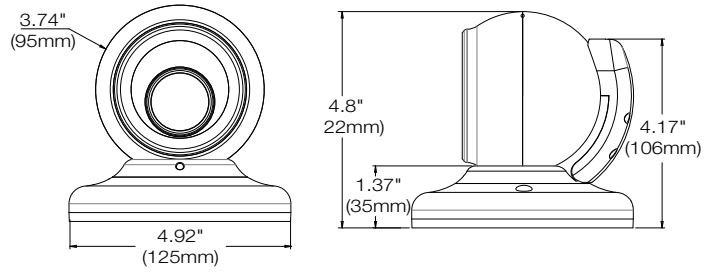




## Dimensions

unit: Inch (mm)



## Specifications

## Summary

This MEGAPIX® IP camera provides 2.1MP/1080p resolution at real-time 30fps. It includes a 2.7-13.5mm vari-focal auto-focus lens with motorized zoom and 5x optical zoom, simultaneous H.265/H.264/MJPEG codec support and Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition. The weather-resistant vandal ball cameras are IP67 rated, eliminate IR reflections and offer easy angle adjustment for optimal image quality.

## Features

- 2.1MP/1080p 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 2.7-13.5mm vari-focal p-iris lens with motorized zoom and auto-focus
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 80' Smart IR™ with intelligent camera sync
- Vandal ball housing reduces IR reflection
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Web server built-in
- PoE class 3 and DC12V
- Waterproof cabling
- ONVIF conformant, profile S
- IP67 dust-tight and water-proof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty



## Accessories (Optional)



IMAGE	
Image sensor	2.1MP/1080p 1/2.8" CMOS
Total pixels	1945(H) X 1109(V)
Minimum scene illumination	0.043 lux (color) 0.0 lux (B/W)
LENS	
Focal length	2.7-13.5mm, F1.8
Lens type	Vari-focal p-iris lens with motorized-zoom and auto-focus
Field of view (FoV)	93.6° - 34.1°
IR distance	80ft range
Optical zoom / digital zoom	x5 optical zoom
OPERATIONAL	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/15 - 1/32000
Slow shutter	1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10
Auto gain control	Auto
Day and night	Auto, day (color), night (B/W)
Smart DNR™ 3D	3D-DNR
Digital noise reduction	
Wide Dynamic Range (WDR)	True WDR
Wide Dynamic Range (WDR) dB	120dB
Privacy zone	16 programmable privacy masks
Backlight compensation (BLC)	Yes
Mirror and flip	Yes
Alarm notifications	Notifications via e-mail and FTP server recording
NETWORK	
LAN	RJ45 (10/100Base-T)
Video Compression type	H.265, H.264, MJPEG
Resolution	H.265: 2.1MP/1080p, 720p, VGA, D1, CIF H.264: 2.1MP/1080p, 720p, VGA, D1, CIF MJPEG: 1280x720, 800x600, VGA, 768x432, D1, CIF
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps - 10Mbps, multi-rate for preview and recording
Bitrate control	Multi streaming CBR/VBR at H.264, H.265 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4, IPv6
Protocol	TCP/IP, UDP, AutoIP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3 (MIB-2), ONVIF
Security	HTTPS(SSL), IP filtering, 802.1x, digest authentication (ID/PW)
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux® Browser: Internet Explorer®, Google Chrome®, Mozilla Firefox®, Safari®
Video management software	DW Spectrum® IPVMS
ENVIRONMENTAL	
Operating temperature	-4°F - 122°F (-20°C - 50°C)
Operating humidity	10-90% (non-condensing)
IK rating	IK10 impact resistant
IP rating	IP67 rated
Other certifications	CE, FCC, RoHS
ELECTRICAL	
Power requirement	DC 12V, PoE (IEEE 802.3af Class 3). (Adapter not included)
Power consumption	DC12V: max 6.4W PoE: max 7.6W
MECHANICAL	
Material	Aluminum vandal ball housing
Dimensions	4.92" x 4.8" (125 x 122 mm)
Weight	1.87lbs (0.85kg)
Warranty	5 years warranty