-40° Cold Start

Dimensions
unit : Inch (mm)

* Dimensions based on the position of the sun shield cover

4.01" (102mm)
8.77" (223mm)

2.1 Megapixel
2.8-12mm Varifocal Lens
WDR
Smart IR™
IP66 Rated
5 YEAR Warranty

Summary

These MEGApix® IP cameras deliver crystal-clear images at 2.1 Megapixel 1080p resolution and real-time 30fps. Features include Smart IR™, true WDR and 3D DNR for quality video in challenging lighting environments. The weather resistant housing is easy to install and will Cold Start at -40° F/-40° C.
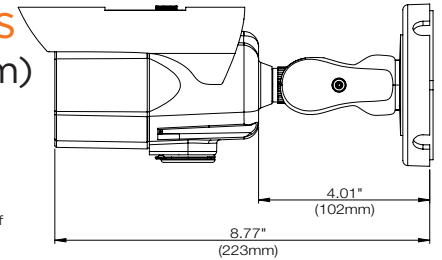
Features

- 2.1MP/1080p 1/2.7" image sensor at real-time 30fps
- 2.8~12mm motorized zoom auto-focus p-iris lens
- True Wide Dynamic Range (WDR)
- Dual codecs (H.264, MJPEG) with simultaneous streaming
- Cold Start -40°F (-40°C)
- 120' Smart IR™ with intelligent camera sync
- 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
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- ONVIF conformant, profile S
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty

Accessories (Optional)

DWC-BLJUNC
Junction box

DWC-PMB-BU
Pole mount bracket

Specifications

IMAGE	
Image sensor	2.1MP/1080p 1/2.7" CMOS
Total pixels	1928 (H) x 1088 (V)
Minimum scene illumination	0.2 lux (color)
	0.0 lux (B&W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio

LENS	
Focal length	2.8-12mm, F1.4
Lens type	Motorized zoom auto-focus p-iris lens
Field of view (FoV)	106° - 36°
IR distance	120ft range
Optical zoom / digital zoom	x4.2 optical zoom

I/O	
Audio in / out	1/1
Audio compression	G.711
Alarm in / out	1/1

OPERATIONAL	
Shutter mode	Auto, manual, anti-flicker, slow shutter
Shutter speed	1/30 - 1/8000
Slow shutter	1-1/5,1/7.5, 1/15
Auto gain control	Auto
Day / night	Auto, day (color), night (B/W)
Smart DNR™ 3D digital noise reduction	0 - 11
Wide dynamic range (WDR)	True WDR on, off
Wide dynamic range (WDR) dB	120dB
Privacy zone	16 programmable privacy masks
Backlight Compensation (BLC)	On / off / HSBLC
Mirror & Flip	Yes
Alarm notifications	Notifications via e-mail, FTP server or SD card recording
Memory slot	Micro SD / SDHC / SDXC up to 128GB (card not Included)

NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.264, MJPEG
Resolution	H.264: 1080p/720p/VGA/D1/CIF MJPEG: 1280 x 720/800 x 600/VGA/768 x 432/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 (controllable frame rate and bandwidth)
Streaming capability	Dual-stream at different rates and resolutions
IP	IPv4
Protocol	ONVIF, TCP/IP, UDP, autoIP, RTP(UDP/TCP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
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	-40°F - 122°F (-40°C - 50°C)
Operating humidity	10-90% RH (non-condensing)
IP rating	IP66 certified weather and tamper resistant
Other certifications	CE, FCC, RoHS

ELECTRICAL	
Power requirement	DC 12V, PoE (IEEE 802.3af Class 3). Adapter not included
Power consumption	DC12V: max 11W PoE: max 12.9W

MECHANICAL	
Material	Aluminum bullet housing
Dimensions	8.77" x 3.07" (223 x 78mm)
Weight	1.98 lbs (0.9kg)