



**-40°<sup>™</sup>**  
Cold Start

**4MP**

Resolution



6-50mm Vari-Focal  
Motorized Zoom P-Iris Lens



LPR



50mph



IP66 Rated

**5YEAR**

Warranty

## Summary

These MEGAPix<sup>®</sup> LPR IP cameras deliver crystal-clear images at resolution and real-time 30fps. The cameras are engineered to capture license plates of moving vehicles in extreme light conditions, from ranges of up to 60' at up to 50mph. The IP66 weather resistant housing and Cold Start at -40° F/-40° C assure that license plates are captured clearly and visibly no matter the lighting challenge or weather condition.

## Features

- 4MP 1/3" image sensor at real-time 30fps
- License plate recognition technology captures reflective license plates up to 50mph with up to 60' capture range
- Reliable performance under any lighting conditions
- 6-50mm motorized zoom auto-focus p-iris lens
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Cold Start -40°F (-40°C)
- 60' Smart IR<sup>™</sup> with intelligent camera sync
- Smart DNR<sup>™</sup> 3D digital noise reduction
- 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
- Waterproof cabling
- UL listed
- ONVIF conformant, profile S
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty



## Accessories (Optional)

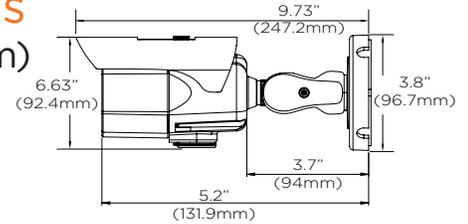


DWC-BLJUNC  
Junction Box



DWC-PMB-BU  
Pole Mount Bracket

## Dimensions unit: Inch (mm)



\* Dimensions based on the position of the sun shield cover

## Specifications



Designed and engineered in U.S.A and Korea

IMAGE	
Image sensor	4MP 1/3" x CMOS
Total pixels	2688 (H) x 1520 (V)
Minimum scene illumination	0 lux (B/W)
Video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
LENS	
Focal length	6.0-50mm, F1.6
Lens type	Motorized zoom auto-focus p-iris lens
Field of view (FoV)	90°-7.3°
IR Distance	60ft
Optical zoom	x8.3
I/O	
Audio in/out	1/1
Audio compression	G.711
Alarm in/out	1/1
Alarm notifications	Notifications via e-mail, FTP server or SD card recording
OPERATIONAL	
Capture image range	Up to 60'
Max. vehicle speed	50mph
Shutter mode	Auto, manual, anti-flicker
Shutter speed	1/15-1/32000
Slow shutter	off, x2, x3, x5, x6, x7.5, x10
Dynamic range compression	120dB or Above
Auto gain control	Auto
Smart DNR <sup>™</sup>	0-11
3D Digital Noise reduction	
Privacy zone	16 programmable privacy masks
NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.264, MJPEG
Resolution	H.264: 1440p/1080p/720p/VGA/D1/CIF MJPEG: 1280x720/800x600/VGA/768x432/D1/CIF
Frame rate	Up to 30fps at all resolutions
Streaming capability	Dual-stream at different rates and 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
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 (TLS), password authentication, multi-level user configuration
Maximum user access	5 Users
ONVIF conformance	Yes
Web viewer	OS: Windows <sup>®</sup> , Mac <sup>®</sup> OS, Linux <sup>®</sup> Browser: Internet Explorer <sup>®</sup> , Google Chrome <sup>®</sup> , Mozilla Firefox <sup>®</sup> , Safari <sup>®</sup>
Video management software	DW Spectrum <sup>®</sup> IPVMS
Memory slot	Micro SD / SDHC / SDXC. Card not included
ENVIRONMENTAL	
Operating temperature	-40°F - 122°F (-40°C - 50°C)
Operating humidity	Less than 90% (non-condensing)
IP rating	IP66-rated
Other certifications	CE, FCC, RoHS, UL listed
ELECTRICAL	
Power requirement	DC12V, PoE (IEEE 802.3af Class 3). Adaptor not included.
Power consumption	DC12V: Max 11W PoE: Max 12.9W
MECHANICAL	
Material	Aluminum housing
Dimensions	9.73" x 3.8" (247.2 x 96.7mm) *Based on the position of the sun shield cover
Weight	1.98 lbs (0.9kg)