



**-40°**  
Cold Start



**4MP**



**5 YEAR**  
Warranty

Resolution All-in-one cameras No Server Required Up to 30 Cameras LPR Warranty

## Summary

MEGApiX® CaaS™ all-in-one series of IP cameras combine the cameras with the ease and power of DW Spectrum® IPVMS and on-board storage options at 256GB, 512GB or 1TB provide up to 60 days of retained video. DW Spectrum IPVMS server is pre-installed and licensed. No additional server hardware is required.

The 4MP License Plate Recognition (LPR) camera is engineered to capture license plates of moving vehicles in extreme light conditions, from ranges of up to 60' at up to 50mph. Combine the CaaS™ solution with the Blackjack® NAS device for long-term storage needs.

## Features

- All-in-one cameras, no server required
- 4MP 1/3" image sensor at real-time 30fps
- 6-50mm vari-focal p-iris lens with motorized zoom and auto-focus
- License plate recognition technology captures reflective license plates up to 50mph with up to 60' capture range
- Reliable performance under any lighting conditions
- Built-in 256GB, 512GB or 1TB storage for up to 60 days retained video\*
- Easy to deploy with pre-loaded DW Spectrum IPVMS for out-of-the-box operation
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- Connect up to 30 MEGApiX CaaS edge cameras
- Dual recording option with Blackjack NAS appliance
- Dual codecs (H.264, MJPEG) with simultaneous dual-stream
- Cold Start -40°F (-40°C)
- 60' Smart IR™ with intelligent camera sync
- Smart DNR™ 3D digital noise reduction
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- Waterproof cabling
- UL listed
- ONVIF conformant, profile S
- NDA compliant
- IP66 environmental-rated dust-tight and water-resistant
- 5 year warranty



## Accessories (Optional)



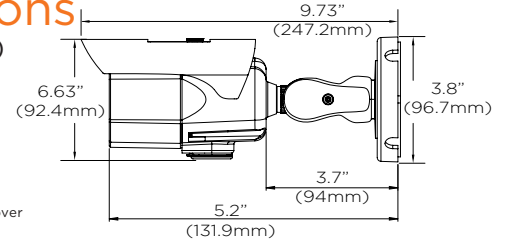
DWC-BLJUNC  
Junction box



DWC-PMB-WLW  
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" 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
Resolution	4MP (2560 x 1440)
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 range
Optical zoom	x8.3
OPERATIONAL	
Image capture range	Up to 60' and up to 50 MPH
Shutter mode	Auto, manual, anti-flicker
Shutter speed	1/15-1/32000
Slow shutter	Off, x2, x3, x5, x6, x7.5, x10
Auto gain control	Auto
Day / night	B/W only
Smart DNR™ digital noise reduction	0-11
Privacy zone	16 programmable privacy masks
Alarm notifications	Email, FTP server, alarm output activation or SD card recording
NETWORK	
LAN	802.3 compliance 10/100 LAN
Video compression type	H.264, MJPEG
Resolution	H.264: 1440p/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, CMP, SNMPv1/v2c/v3 (MIB-2)
Security	HTTPS (TLS), IP filtering, 802.1x, digest authentication (ID/PW)
Maximum user access	5 users
ONVIF conformance	Yes
Web viewer	OS: Windows®, Mac® OS, Linux® Browser: IE®, Google Chrome®, Mozilla Firefox®, Safari®
Video management software	DW Spectrum IPVMS
DW Spectrum CaaS license	1 DW Spectrum CaaS license included
Local server recording	DWC-MB44LPRC1T: 1TB local memory for recording DWC-MB44LPRC5: 512GB local memory for recording DWC-MB44LPRC2: 256GB local memory for recording
Max. cameras in one network/system	Up to 30 MEGApiX CaaS cameras in the same network/system
ENVIRONMENTAL	
Operating temp. and humidity	-40°F - 122°F (-40°C - 50°C), 10-90% RH (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 bullet housing
Dimensions	9.73" x 3.8" (247.2 x 96.7mm) *Dimensions vary based on the position of the sun shield cover
Weight	1.98 lbs (0.9kg)
Warranty	5 year warranty

NOTE:  
1. External ONVIF devices cannot be added  
2. IVA/IVA+ is not available on this model  
3. Plugins from external devices cannot be added



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