MEGApix. Ai™
Next-generation video analytics

5MP Automatic number-plate recognition (ANPR) and Make, Model and Color (MMCR) bullet IP camera with Ai
DWC-XSBA05MiM

TAA COMPLIANT PRODUCT
NDAA COMPLIANT PRODUCT

STAR-LIGHT PLUS™
Color in Darkness Technology

H.265 H.264/MJPEG **30fps**

-40°™ Cold Start

5MP Resolution
Ai Edge-Base Ai Analytics
ANPR DW4LPR
Star-Light Plus™ Super Low-Light
6-50mm Vari-Focal Motorized Zoom P-Iris Lens
5YEAR Warranty

Dimensions
Unit: Inch (mm)

12.19" (309.8mm)
3.24" (82.5mm)
3.07" (78mm)
6.42" (163.1mm) 4.92" (125mm)
11.34" (288.1mm)

Summary

This NDAA/TAA-compliant MEGApix® Ai™ IP camera provides 5MP resolution vehicle license plate, make, model and color detection with an Ai engine at the edge. The MEGApix Ai cameras place the power of Ai deep learning at your fingertips, with object identification and tracking. The camera detects and extracts a vehicle's license plate characters, make, model and color in milliseconds at up to 75mph with a high 95% accuracy, converting the pixels to usable digital data that can be searched and mined for analytics, patterns and access reports. The weather-resistant bullet camera is IP67-rated, IK-10 impact-resistant, and will Cold Start at -40°F/-40°C. All MEGApix cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

Features

- 5MP 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- Ai Deep Learning object detection
- Create up to 40 detection zones in the same camera
- Easy setup with no analytics calibration
- Seamless integration and control with DW Spectrum® IPVMS
- Reduce false alarms
- Increase your recording storage with logic rules and smart recording
- ANPR optical character recognition captures and reads vehicle license plates at up to 75mph speeds
- MMCR classifies vehicles, make, model and color across numerous brands
- 6~50mm 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
- Cold Start -40°F (-40°C)
- 130' Smart IR™ with intelligent camera sync
- Smart DNR™ 3D digital noise reduction
- True day/night with 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+ Class4 and DC12V
- ONVIF conformant, profile S
- UL-listed
- NDAA/TAA compliant
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

ONVIF

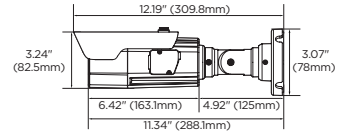## Accessories (optional)

DWC-BLJUNC-W Junction box
DW-POEInjector PoE injector
DWC-PMB-WLW Pole mount bracket

Specifications

IMAGE	
Image sensor	1/2.8" 5.69MP CMOS sensor
Total pixels	2704(H) X 2104(V)
Active pixels	2592(H) X 1944(V)
Minimum scene illumination	0.1 lux (color)
	0 lux (B/W)
S/N ratio	50dB
Test monitor video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
LENS	
Focal length	6-50mm, F1.6
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Horizontal Field of view (HFoV)	6.9°-40.8°
Vertical Field of view (VFoV)	5.2°-30.2°
IR distance	130ft range
Optical zoom	8x optical zoom
I/O	
Audio input/output	1 (1.0Vms, 3K ohm) input/1 output
Audio compression	G.711
Alarm input/output	1 input/1 output
Event trigger	Motion alarm, network loss, temperature anomaly, illegal login, schedule, sensor detection
INTELLIGENT VIDEO ANALYTICS	
Deep learning analytics	Deep Learning object tracking
Analytics filters	Zones and lines, tamper, metadata, intrusion, line crossing, counting, counting lines, appear, disappear, stopped, enter, exit, direction, tailgating, dwell, logical rules
Automatic number-plate recognition (ANPR)	Optical character recognition captures and reads vehicle license plates
Make, Model and Color (MMCR)	Classify vehicles, make, model and color across numerous brands
ANPR range in day/night	23 - 165ft (7 - 50m) / 23 - 131ft (7 - 40m)
Vehicle speed range	25 - 75mph
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	TDN, Auto, day (color), night (B/W)
Smart DNR™ 3D Digital Noise Reduction	3D-DNR
Wide Dynamic Range (WDR)	True WDR
Wide Dynamic Range (WDR) dB	120dB
White balance	Yes
Privacy zones	16 programmable privacy masks
Mirror and flip	Yes
Alarm notifications	Notifications via email, FTP, alarm output and SD card recording
Memory slot	Micro SD/SDHC/SDXC class 10 card (not included)
NETWORK	
LAN	10/100Base-T
Video compression type	H.265, H.264, MJPEG
Resolution	H.265: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
	H.264: 2592x1944, 2560x1440, 1920x1080, 1280x720, 800x600, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
	MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps - 25Mbps, multi-rate for preview and recording
Bitrate control	Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth)
Streaming capability	dual-stream at different rates and resolutions
IP	IPv4
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 (TLS), IP filtering, 802.1x, digest authentication
SIP/VoIP support	SIP VoIP
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)
IK rating	IK10 impact-resistant
IP rating	IP67-rated
Other certifications	CE, FCC, RoHS, UL, NDAA
ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3at PoE+ Class4 (Adapter not included)
Power consumption	DC12V: 13.2W, 1.1A
	PoE: 14.4W, 48VDC 0.3A
MECHANICAL	
Material	Aluminum die-casting bullet housing
Dimensions	12.2" x 3.81" (310 x 97mm)
Weight	2.64 lbs (1.2 kg)
Warranty	5 year warranty

Built for Users.™ DW