MEGApix Ai
Next-generation video analytics

5MP Automatic License Plate Recognition (ALPR) bullet IP camera with Ai
DWC-XSBA05LiP



Summary

This MEGApix Ai ALPR IP camera uses the Ai engine to detect and extract vehicle numbers and letters in license plates as well as the make, model and color of the vehicle at up to 75mph, converting the pixels to usable digital data. All MEGApix cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

Features

- 5MP sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology.
- AI-based object and people detection, classification and tracking.
- Create up to 40 separate detection zones.
- Easy setup with no manual analytics calibration.
- Seamless integration and control with DW Spectrum.
- Reduce false alarms with multiple detection zones and logical rules.
- Increase recording storage with smart recording and no false alarms.
- ALPR optical character recognition captures and reads vehicle license plates at up to 75mph speeds, as well as vehicles' make, model and color across numerous brands.
- Long-range vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and focused image any time.
- True Wide Dynamic Range (WDR) for clear images in challenging light
- Simultaneous streaming and multiple codec options for smart bandwidth management
- Cold Start -40°F (-40°C), allowing the camera to power up in extremely cold environments
- 130' Smart IR™ with intelligent camera sync for clear B/W images with no need for external light
- Smart DNR™ 3D digital noise reduction reduces noise and ghosting for motion in low-light environments.
- Privacy zones cover sensitive areas in the camera's field of view.
- Two-way audio for direct communication between the monitoring station and the camera's location.
- Local SD card slot for local recording in case of network loss.
- Alarm sensor input and relay output for access control integration
- Web server built-in for easy camera management from any browser
- High-power PoE and DC12V for single cable simplified installation
- NDAA/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

Accessories (optional)



DWC-BAJUNC
Waterproof junction box



DWC-V1CNMW
Corner mount



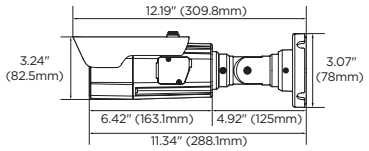
DWC-BLJUNC-W
Junction box



DWC-PMB-WLW
Pole mount bracket

Dimensions

Unit: Inch (mm)



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
Field of view (HFoV/VFoV)	Horizontal: 6.9°-40.8° / Vertical: 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	
AI-based video analytics	AI-based object and people detection, classification and tracking
Automatic License Plate recognition (ALPR)	Optical character recognition captures and reads vehicle license plates, 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)
3D DNR	Smart DNR™ 3D Digital Noise Reduction
Wide Dynamic Range (WDR)	True WDR, 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, 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
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, IP rating	IK10 impact-resistant, 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.™

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REV. 07/26

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