Serverless 5MP edge automatic license plate recognition (ALPR) and Make, Model and Color (MMCR) bullet IP camera
DWC-XSBA05LiPC1

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

The 5MP ALPR/MMCR MEGApix Ai CloudCam is a serverless, NDAA/TAA-compliant cloud solution with 1TB onboard storage and edge AI. It identifies license plates, vehicle make, model, and color, converting images into searchable, actionable data. Preloaded with DW Spectrum server and license, it eliminates the need for additional hardware.

Features

- 5MP sensor at real-time 30fps
- Star-Light Plus color in near-total darkness technology
- Seamless integration and control with DW Spectrum
- Built-in 1TB storage options for up to 90 days of retained video
- Easily to deploy with pre-loaded DW Spectrum for out-of-the-box operation.
- 24/7 access to live and recorded video feed
- Automatic installation and licensing with first power on
- 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 auto-focus 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
- 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)
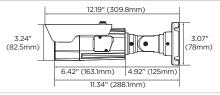
 DWC-BLJUNC-W
Junction box

 DWC-PMB-WLW
Pole mount bracket

 DWC-V1CNMW
Corner mount

Specifications

IMAGE	
Image sensor	1/2.8" 5.69MP Star-Light Plus 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)	6.9°~40.8°/ 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	
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 Digital Noise Reduction	Smart DNR 3D-DNR
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
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
ONVIF conformance	Yes
Web viewer	OS: Windows, Mac OS, Linux
	Browser: Microsoft Edge, Google Chrome, Mozilla Firefox, Safari
Video management software	DW Spectrum
DW Spectrum edge license	1 DW Spectrum edge license included
Local server recording	1TB local memory for recording
Max. number of CloudCam cameras in a network/system	Up to 10 MEGApix Ai CloudCam cameras in a network/system
ENVIRONMENTAL	
Operating temp/humidity	-40°F ~ 122°F (-40°C ~ 50°C)/ 10~90% RH, (non–condensing)
IK, IP rating	IK10 impact-resistant, IP67-rated
Other certifications	CE, FCC, UL, NDAA, TAA
ELECTRICAL	
Power requirement	DC12V, PoE, 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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