

4K wide-angle bullet IP edge camera with Ai and color in near-total darkness DWC-XSBC08BiC1





Summary

TThis NDAA/TAA-compliant MEGApix[®] Ai CaaS[™] all-in-one IP camera provides 4K resolution at real-time 30fps with edge Ai and DW Spectrum[®] IPVMS server installed and licensed on the camera. No additional server hardware is required. The camera's ultra-wide view lens offers edge-to-edge image clarity, ideal for wide-area situational awareness.

Features & Benefits

- 4K sensor at real-time 30fps
- Star-Light Plus[™] color in near-total darkness technology
- AI Deep Learning object detection
- Create up to 40 separate detection zones.
- Easy setup with no analytics calibration
- Seamless integration and control with DW Spectrum[®] IPVMS
- Reduce false alarms with multiple detection zones and logic rules.
- Increase your recording storage with smart recording and no false alarms.
- Built-in 1TB storage options for up to 90 days of retained video*
- Easily 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
- 2.3mm ultra-wide view lens for edge-to-edge image clarity without pixel loss
- 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) (DC power), allowing the camera to power up in extremely cold environments
- 100' 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.
- 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
- PoE and DC12V for single cable simplified installation

(866.446.3595

- NDAA/TAA compliant for federal and government projects
- IP67- and IK9-rated camera housing built to last
- 5 year warranty

Accessories (optional)



DWC-PMB-WLW Pole mount bracket





sales@digital-watchdog.com

8.75" (222.5mm)

Specifications

IMAGE

Dimensions

Unit: Inch (mm)

IMAGE	
Image sensor	8.48MP 1/1.8" Star-Light Plus™ sensor
Total pixels	3856(H) X 2200(V)
Active pixels	3840 (H) X 2160 (V)
Minimum scope illumination	0.15 lux (color)
Minimum scene illumination	0 lux (B/W)
S/N ratio	50dB
Test monitor video output	Local video output CVBS 1.0V p-p (75Ω), 16:9 aspect ratio
LENS	
Focal length	2.3mm, F2.8
Lens type	Ultra-wide angle lens
Horizontal Field of view (HFoV)	175°
Vertical Field of view (VFoV)	80°
IR distance	100ft range
1/0	
Audio input/output	1 Line (1.0Vms, 3K ohm) input/1 Line output
Audio compression	G.711 ulaw
Alarm input/output	1 input/1 output
	Motion alarm, network loss, temperature anomaly, illegal login, schedule,
Event trigger	sensor detection
INTELLIGENT VIDEO ANALYTICS	
Deep learning analytics	Deep Learning object tracking
	Zones and lines, tamper, metadata, intrusion, line crossing, counting,
Analytics filters	counting lines, appear, disappear, stopped, enter, exit, direction, tailgating,
	dwell, logical rules
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	Auto, day (color), night (B/W)
3D Digital Noise Reduction	Smart DNR™ 3D-DNR
Wide Dynamic Range (WDR)	True WDR
Wide Dynamic Range (WDR) dB	120dB
White balance	Yes
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	10000
LAN	IUUUBase-I (IGDps)
	1000Base-T (1Gbps) H.265, H.264, MJPEG
LAN Video compression type	1000Base-1 (1605) H.265, H.264, MJPEG H.265; 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240
	H.265, H.264, MJPEG H.265; 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H.264; 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240
Video compression type	H.265, H.264, MJPEG H.265; 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H.264; 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240
Video compression type Resolution	H.265, H.264, MJPEG H.265; 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H.264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x380, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
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Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum® CaaS™ Licenses included Local server recording	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H.264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x480, 650x52x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming C3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS [™] license included 1TB local memory for recording
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum [®] CaaS [™]	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming C3rd stream supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPV/v2/v3(MB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1DW Spectrum* CaaS** license included
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS TM licenses included Local server recording Max. number of CaaS TM cameras	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H.264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x480, 650x52x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming C3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS [™] license included 1TB local memory for recording
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Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum® CaaS™ licenses included Local server recording Max. number of CaaS™ cameras in the same network/system ENVIRONNENTAL Operating temperature	H265, H264, MJPEG H265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming (2R/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 8021x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM icense included 1TB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only)
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum [®] CaaS [™] licenses included Local server recording Max. number of CaaS [™] cameras in the same network/system ENVIRONMENTAL Operating temperature Operating humidity	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) TPV4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPVI/2/X/GMB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM license included 1TB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing)
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS** licenses included Local server recording Max, number of CaaS** cameras in the same network/system ENVIRONMENTAL Operating temperature Operating humidity IK rating	H265, H264, MJPEG H265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x480, 640x480, 532x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd streram supports MJPEG only) IPv4 TCP//P, UDP, AutolP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTP, SSL, DNS, DNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* CaaS [™] icense included 1TB local memory for recording Up to 10 MEGApix* CaaS [™] cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10-90% RH, (non-condensing) IK09 impact-resistant
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum® CaaS™ licenses included Local server recording Max. number of CaaS™ cameras in the same network/system ENVIRONNENTAL Operating temperature Operating humidity IK rating IP rating	H 265, H 264, MJPEG H 265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H 264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 M JPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd stream supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP. ICMP, SNMPV/V2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 8021x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* CaaS TM license included ITB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IK09 impact-resistant IP67-rated
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS TM licenses included Local server recording Max. number of CaaS TM cameras in the same network/system ENVIRONMENTAL Operating humidity IK rating IP rating Other certifications	H265, H264, MJPEG H265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x480, 640x480, 532x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd streram supports MJPEG only) IPv4 TCP//P, UDP, AutolP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTP, SSL, DNS, DNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* CaaS [™] icense included 1TB local memory for recording Up to 10 MEGApix* CaaS [™] cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10-90% RH, (non-condensing) IK09 impact-resistant
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS** licenses included Local server recording Max, number of CaaS** cameras in the same network/system ENVIRONMENTAL Operating temperature Operating temperature Operating Lip rating IP rating IP rating ELECTRICAL	H 265, H 264, MJPEG H 265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H 264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTP, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 8021x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, SafarI* DW Spectrum* Caa3** license included 1TB local memory for recording Up to 10 MEGApix* Caa3** icense in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IKO9 impact-resistant IP67-rated CE, FCC, RoHS, UL, NDAA, TAA
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum" CaaS TM licenses included Local server recording Max, number of CaaS TM cameras in the same network/system ENVIRONMENTAL Operating temperature Operating humidity IK rating IP rating Other certifications ELECTRICAL Power requirement	H 265, H 264, MJPEG H 265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H 264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 M JPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming (3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 8021x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM icense included ITB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IK09 impact-resistant IP67-rated CE, FCC, RoHS, UL, NDAA, TAA DC12V, POE IEEE 802.3af Class 3 (Adapter not included)
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS** licenses included Local server recording Max, number of CaaS** cameras in the same network/system ENVIRONMENTAL Operating temperature Operating temperature Operating Lip rating IP rating IP rating ELECTRICAL	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x560, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) TPV4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPV/2/2/X0HB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM license included 1TB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10-90% RH, (non-condensing) IK09 impact-resistant IP67-rated CE, FCC, RHS, UL, NDAA, TAA - DC12V; Poc IEEE 802.3af Class 3 (Adapter not included) DC12V; max 21.9W, 183A
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum" CaaS TM licenses included Local server recording Max, number of CaaS TM cameras in the same network/system ENVIRONMENTAL Operating temperature Operating humidity IK rating IP rating Other certifications ELECTRICAL Power requirement	H 265, H 264, MJPEG H 265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H 264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 M JPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming (3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 8021x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM icense included ITB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IK09 impact-resistant IP67-rated CE, FCC, RoHS, UL, NDAA, TAA DC12V, POE IEEE 802.3af Class 3 (Adapter not included)
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS** licenses included Local server recording Max. number of CaaS** cameras in the same network/system ENVIRONMENTAL Operating temperature Operating temperature Operating temperature Operating Demorature Operating Demorature Operating Entroperature Operating Demorature Operating Entroperature Operating Entroperature Operating Entroperature Operating Entroperature Operating Demorature Operating Demorature De	H265, H264, MJPEG H265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPV/V2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 8021x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* CaaS TM license included 1TB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IK09 impact-resistant IP67-rated CE, FCC, RoHS, UL, NDAA, TAA DC12V, POE IEEE 802.3af Class 3 (Adapter not included) DC12V; max 21.9W, 183A PoE: max 9.2W, 191.6mA
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS TM licenses included Local server recording Max. number of CaaS TM cameras in the same network/system ENVIRONMENTAL Operating humidity IK rating IP rating Other certifications ELECTRICAL Power requirement Power consumption MECHANICAL Material	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x480, 640x480, 630x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming C3rd stream supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPV/2/2/XGMIB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM license included 1TB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IK09 impact-resistant IP67-rated CE, FCC, ROHS, UL, NDAA, TAA DC12V, PoE IEEE 802.3af Class 3 (Adapter not included) DC12V: max 21.9W, 183A PoE: max 9.2W, 191.6mA
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS** Local server recording Max, number of CaaS** cameras in the same network/system ENVIRONMENTAL Operating temperature Operating humidity IP rating Other certifications ELECTRICAL Power requirement Power consumption MECHANICAL Material Dimensions	H 265, H 264, MJPEG H 265: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 H 264: 3840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 M JPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming (3rd streram supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* CaaS** license included 11B local memory for recording Up to 10 MEGApix* CaaS** cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IKO9 impact-resistant IP67-rated CE, FCC, RoHS, UL, NDAA, TAA
Video compression type Resolution Frame rate Video bitrate Bitrate control Streaming capability IP Protocol Security ONVIF conformance Web viewer Video management software Number of DW Spectrum* CaaS TM licenses included Local server recording Max. number of CaaS TM cameras in the same network/system ENVIRONMENTAL Operating humidity IK rating IP rating Other certifications ELECTRICAL Power requirement Power consumption MECHANICAL Material	H.265, H.264, MJPEG H.265, S840x2160, 2592x1944, 2560x1440, 1920x1080, 1280x720, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240 MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x480, 640x480, 630x240 Up to 30fps at all resolutions 100Kbps - 25Mbps, multi-rate for preview and recording Multi-streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming CBR/VBR at H.265 (controllable frame rate and bandwidth) Triple Streaming C3rd stream supports MJPEG only) IPv4 TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPV/2/2/XGMIB-2), ONVIF HTTPS (TLS), IP filtering, 802.1x, digest authentication Yes OS: Windows* 7, Windows* 8, Windows* 10 Browser: Microsoft Edge*, Google Chrome*, Mozilla Firefox*, Safari* DW Spectrum* IPVMS 1 DW Spectrum* CaaS TM license included 1TB local memory for recording Up to 10 MEGApix* CaaS TM cameras in the same network/system -40°F - 122°F (-40°C - 50°C) (on DC only) 10–90% RH, (non-condensing) IK09 impact-resistant IP67-rated CE, FCC, ROHS, UL, NDAA, TAA DC12V, PoE IEEE 802.3af Class 3 (Adapter not included) DC12V: max 21.9W, 183A PoE: max 9.2W, 191.6mA



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