STAR-LIGHT PLUS™

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

NDAA/TAA COMPLIANT PRODUCT

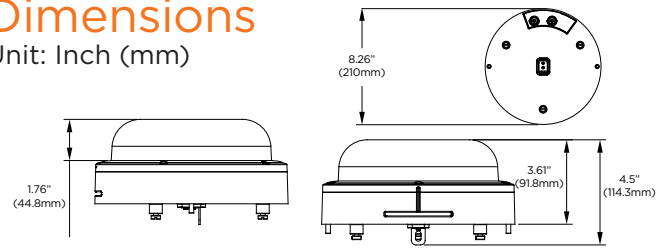## Dimensions
Unit: Inch (mm)

8.26" (210mm)

1.76" (44.8mm)

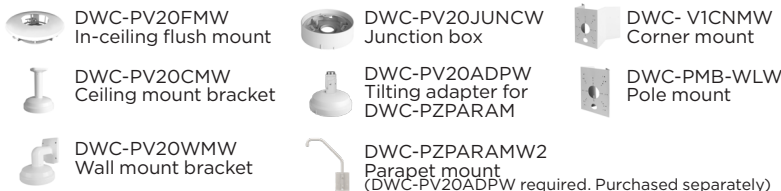3.61" (91.8mm)

4.5" (114.3mm)

Summary

This NDAA/TAA-compliant MEGApix® 20MP multi-sensor configurable panoramic camera that reduces total system cost by providing four video streams at real-time 30fps with vari-focal lenses in one housing and installation. The camera features Star-Light Plus™ color in near-total darkness technology and true WDR for quality video in any lighting conditions. The four (4) lens modules can be placed in five (5) positions on a magnetic track. A mounting access is sold separately and is needed to complete the camera's installation.

Features

- 4x 5MP sensors (20MP) at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 4x vari-focal p-iris lens with motorized zoom and autofocus for complete remote lens control and focused image any time
- 3-axis gimbal for wide range lens positioning
- 360° and 180° flexible panoramic view IP camera
- Four cameras in one installation
- Flexible sensor positioning on a magnetic base
- True Wide Dynamic Range (WDR) for clear images in challenging light
- Simultaneous streaming and multiple codec options for smart bandwidth management
- 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
- 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 (PoE injector included)
- NDAA/TAA compliant for federal and government projects
- IP67- and IK10-rated camera housing built to last
- 5 year warranty

ONVIF

Specifications

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IMAGE	
Image sensor	4x 1/2.8" 5.14MP CMOS
Total pixels	4x 2592(H) x 1944(V)
Minimum scene illumination	0.05 lux (color)
	0.1 lux (B/W)
Test video output	Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio
S/N ratio	50dB
Maximum resolution	20MP (4x 2592x1944)

LENS	
Focal length	4x 2.8 - 8.0mm, F1.6
Lens type	Vari-focal lens with motorized zoom and auto-focus
Field of view (HFoV/VFoV)	4x 51° - 93° HFoV/ 4x 39°-68° VFoV

I/O	
Audio in/out and compression	1 (1.0Vms, 3K ohm) input/1 output, G.711
Alarm in/out	1 input/1 output
Event triggers	Motion detection, network loss, temperature critical, illegal login, schedule, sensor detection and system reboot

OPERATIONAL	
Intelligent Video Analytics	IVA: intrusion, line crossing, counting line, loitering, enter, exit, tamper (DWC-PVX20WATW)
	IVA+: object removed, tailgating, direction, stopped, appear, disappear, object left, logical rules (DWC-PPVX20WATW)
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 / 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	Auto
Mirror and flip	Yes
Privacy zone	16 programmable privacy masks
Alarm notifications	Email notifications, FTP, alarm output, SD card recording
Memory slot	Micro SD/SDHC/SDXC class 10 card (not included)

NETWORK	
LAN	RJ45 (10/100Base-T)
Video compression type	H.265, H.264, MJPEG
Resolution	4x X H.265: 2592x1944, 2560x1440, 1920x1080, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
	4. H.264: 2592x1944 2560x1440 1920x1080 704x576 704x480 640x480 640x360 352x288 352x240
	4x MJPEG: 1920x1080, 1280x720, 800x600, 768x432, 704x576, 704x480, 640x480, 640x360, 352x288, 352x240
Frame rate	Up to 30fps at all resolutions
Video bitrate	100Kbps - 10Mbps, multi-rate for preview and recording
Bitrate control	Multistreaming 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 (ID/PW)
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	-4°F ~ 122°F (-20°C - 50°C)
Operating humidity	10~90% RH, (non-condensing)
IP rating	IP67-rated
IK rating	IK10 impact resistant
Other certifications	FCC, CE, ROHS, UL Listed, NDAA- and TAA-compliant

ELECTRICAL	
Power requirement	DC12V, PoE IEEE 802.3bt PoE+ class 5 (PoE injector included)
Power consumption	DC12V: max 28W, PoE: max 31W

MECHANICAL	
Material	Aluminum vandal housing, polycarbonate dome
Dimensions	8.26" x 3.61" Inch (210 x 91.8 mm)
Weight	4.18 lbs (1.9 kg)
Warranty	5 years warranty

Mounting accessories (Required. Sold separately.)

DWC-PV20FMW In-ceiling flush mount

DWC-PV20JUNCW Junction box

DWC- V1CNMW Corner mount

DWC-PV20CMW Ceiling mount bracket

DWC-PV20ADPW Tilting adapter for DWC-PZPARAM

DWC-PMB-WLW Pole mount

DWC-PV20WMW Wall mount bracket

DWC-PZPARAMW2 Parapet mount (DWC-PV20ADPW required. Purchased separately)

Built for Users.™

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