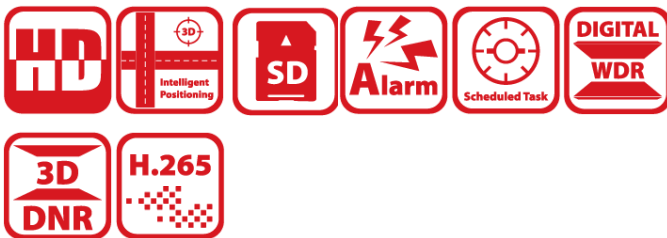


## DS-2DP8A845IXG-LF/432(F0) 32MP 180° Panoramic & PTZ Camera



Hikvision DS-2DP8A845IXG-LF/432(F0) 180° Stitched 32 MP PanoVu Camera with PTZ is able to capture panoramic images as well as close-up images, offering both panorama and details. The panoramic images are captured by four sensors, which could realize 180° panorama monitoring. The integration of two cameras can locate the details fast over expansive area. Furthermore, with its advanced video analysis and multiple targets tracking algorithm, PanoVu camera also features a wide range of smart functions for multiple targets within the panoramic view filed, including intrusion detection, line crossing detection, region entrance detection, and region exiting detection. The camera could also output alarm signals to link the PTZ for tracking to improve the security efficiency.

This product is suitable for the application scenarios in which expansive monitor and detail capture are both required, such as airport, station, stadium, playground, scenic area, and public square.

- Four 1/1.8" 8 MP progressive scan CMOS for the panoramic channel and 2/3" 8 MP progressive scan CMOS for the PTZ channel
- High quality imaging with 32 MP resolution
- The panoramic channel offers 180° horizontal field of view and 85° vertical field view
- Excellent low-light performance
- 45× optical zoom and 16× digital zoom of the PTZ channel provide close up views over expansive areas
- Max. panning range of 360° endless and max. tilting range of -15° to 90° for the PTZ channel
- Expansive night view with up to 500 m IR distance
- Supports AR multi-dimensional arming based on professional platform

## ▪ Specification

Camera	
Image Sensor	[panoramic channel]: 1/1.8" progressive scan CMOS   [PTZ channel]: 1/1.8" progressive scan CMOS
Max. Resolution	8160*3616
Min. Illumination	[Panoramic channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0005 Lux @ (F1.0, AGC ON), [PTZ channel] Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Speed	1~1/30000
Day & Night	ICR
Zoom	[PTZ channel] 16x digital
Slow Shutter	yes
Optical Zoom	45x
Lens	
Focal Length	[panoramic channel] 2.8 mm; [PTZ channel] 7.1~320 mm
FOV	[panoramic channel] Horizontal field of view: 180° Vertical field of view: 85° [PTZ channel] Horizontal field of view: 56.1° to 2.0° (Wide-Tele) Vertical field of view: 33.4° to 1.1° (Wide-Tele) Diagonal field of view: 62.9° to 2.3° (Wide-Tele)
Focus	semi-auto   manual   auto
Aperture	[Panoramic channel] F1.0, [PTZ channel] F1.5
Zoom Speed	[panoramic channel] no, [PTZ channel] approx. 7.8 s
Illuminator	
Supplement Light Type	Laser
Supplement Light Range	IR distance: up to 500 m
Smart Supplement Light	yes
PTZ	
Movement Range (Pan)	0-360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	pan speed: configurable from 0.1° to 210°/s; preset speed: 240°/s
Tilt Speed	tilt speed: configurable from 0.1° to 150°/s, preset speed 200°/s
Proportional Pan	[panoramic channel]: no; [PTZ channel]: yes
Presets	300
Preset Freezing	yes
Patrol Scan	8 patrols
Pattern Scan	4 pattern scans
Park Action	preset   pattern scan   patrol scan   auto scan   tilt scan   random scan   frame scan   panorama scan
3D Positioning	yes
PTZ Status Display	yes
Scheduled Task	preset   pattern scan   patrol scan   auto scan   tilt scan   random scan   frame scan   panorama scan   dome reboot   dome adjust   aux output

Power-off Memory	yes
<b>Video</b>	
Main Stream	<p>[panoramic channel]  50Hz: 25fps (32 MP video output mode: 8160 × 3616 , 5520*2400; 8 MP video output mode: 4096 × 1800, 3840 × 1680, 2720 × 1192);  60Hz: 30fps (32 MP video output mode: 8160 × 3616; 8 MP video output mode: 5520*2400 , 4096 × 1800, 3840 × 1680, 2720 × 1192)</p> <p>[PTZ channel]  50Hz: 25fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)  60Hz: 24fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)</p>
Sub-Stream	<p>[panoramic channel]  50Hz: 25fps (32 MP video output mode: 1560 × 656, 704 × 320; 8 MP video output mode: 704 × 320, 512 × 232);  60Hz: 30fps (32 MP video output mode: 1560 × 656, 704 × 320 , 8 MP video output mode: 704 × 320, 512 × 232)</p> <p>[PTZ channel]  50Hz: 25fps (704 × 576, 640 × 480, 352 × 288);  60Hz: 24fps (704 × 480, 640 × 480, 352 × 240)</p>
Third Stream	<p>[PTZ channel]  50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)  60Hz: 24fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)</p>
Video Compression	H.265   H.264
<b>Audio</b>	
Audio Compression	G.711alaw   G.711ulaw   G.722.1   G.726   MP2L2   PCM
Audio Sampling Rate	MP2L2: 16kHz, 32kHz, 44.1kHz, 48kHz   PCM: 8kHz, 16kHz, 32kHz, 44.1kHz, 48kHz
<b>Network</b>	
Protocols	IPv4/IPv6   HTTP   HTTPS   802.1x   Qos   FTP   SMTP   UPnP   SNMP   DNS   DDNS   NTP   RTSP   RTCP   RTP   TCP/IP   UDP   IGMP   ICMP   DHCP   PPPoE   Bonjour
Simultaneous Live View	20
API	Open-ended API, ONVIF (ProfileS, ProfileG), ISAPI, Hikvision SDK, Third-party management platform, ISUP
Smooth Streaming	yes
User/Host	32
Security	Authenticated username and password   MAC address binding   HTTPS encryption   802.1X authenticated access   IP address filter
Network Storage	NAS (NFS, SMB/ CIFS)   ANR
Client	iVMS-4200
Web Browser	IE8+
<b>Image</b>	
Image Parameters Switch	yes
Image Settings	saturation   brightness   contrast   sharpness
Day/Night Switch	day, night, auto, scheduled-switch
Wide Dynamic Range (WDR)	[Panoramic channel] Digital WDR, [PTZ channel] 120 dB
SNR	≥55dB
Defog	yes

Image Stabilization	EIS
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	mask color or mosaic configurable
Regional Focus	yes
Regional Exposure	yes
<b>Supplement Detection</b>	
Compass	no
<b>Interface</b>	
Ethernet Interface	RJ45   Self-adaptive 10M/100M/1000M Ethernet port
On-board Storage	Built-in microSD slot   support microSD/microSDHC/microSDXC cards   up to 256 GB
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K $\Omega$ $\pm$ 10%; 1 output (line out), line level, output impedance: 600 $\Omega$
Alarm	7 alarm inputs
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
Reset	yes
Fiber Optical	1 FC interface, built-in fiber module, 1000M, TX1310/RX1550 nm wavelength, single module fiber, up to 20 km transmission distance
<b>Event</b>	
Smart Event	face capture   intrusion detection   line crossing detection   region entrance detection   region exiting detection   unattended baggage detection   object removal detection
Linkage	memory card video recording   alarm output   sending email   notify surveillance center   upload to FTP   audible warning   NAS video recording
Smart Tracking	manual tracking   panorama tracking   event tracking   support patrol tracking among multiple detection scenes
<b>General</b>	
Power	36 VDC
Dimension	$\Phi$ 391.8 mm $\times$ 400.5 mm ( $\Phi$ 15.43" $\times$ 15.77")
Weight	Approx. 18 kg (39.68 lb)
Material	ADC12
Operating Condition	Temperature: -40°C to 70°C (-40°F to 158°F) , Humidity: $\leq$ 95%
Wiper	no
De-icing	NO
Demist	Yes
Power Consumption and Current	max. 135 W, including max. 12 W for IR
<b>Approval</b>	
Protection	IK10   IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection

## ▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

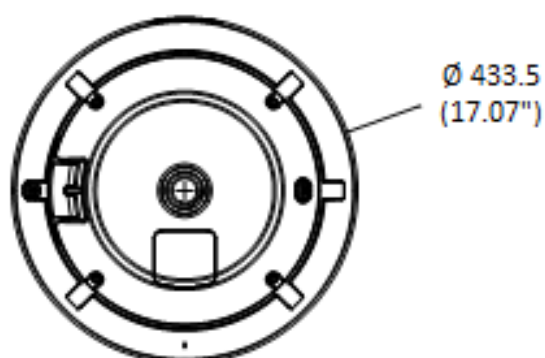
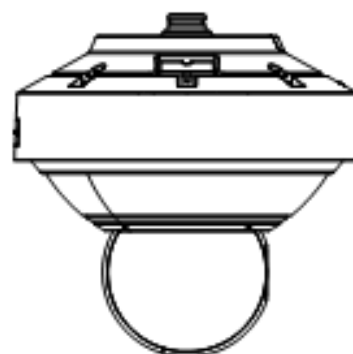
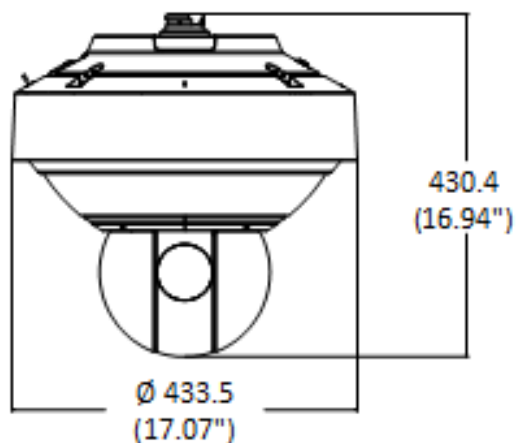
DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m

Distance (Tele)	3310.3 m (10860.6 ft)	1313.6 m (4309.7 ft)	662.1 m (2172.2 ft)	331.0 m (1086.0 ft)
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## ▪ Available Model

DS-2DP8A845IXG-LF/432(F0)

## ▪ Dimension



Unit: mm (inch)

## ▪ Accessory

## ▪ Optional

DS-1603ZJ-P	DS-1603ZJ-Pole-P	DS-1668ZJ-P	DS-1668ZJ(20)-P

# See Far, Go Further



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