DS-2DP6436ZIXS-D/836/T2
360° Stitched 64 MP PanoVu Camera with PTZ

Hikvision DS-2DP6436ZIXS-D/836/T2 360° Stitched 64 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 eight sensors, which could realize 360° 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.

Panoramic Camera

- Eight 1/1.8" 8 MP progressive scan CMOS
- Up to 2 × 8160 × 3616 resolution @30fps
- Horizontal field of view: 2 × 180°
  Vertical field of view: 85°
- Min. illumination
  Color: 0.0005 Lux @(F1.6, AGC ON)
  B/W: 0.0001 Lux @(F1.6, AGC ON)
- Supports people density detection in 8 MP video output mode

Tracking PTZ Camera

- 2/3" 8 MP progressive scan CMOS
- Up to 4096 × 2160 resolution @30fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination
  Color: 0.005 Lux @(F1.5, AGC ON)
  B/W: 0.001 Lux @(F1.5, AGC ON)
  0 Lux with IR
- 36 × Optical Zoom, 16 × Digital Zoom
- IR distance: 250 m

Specification

Camera Module	
White Balance	Auto/Manual/ATW (Auto-Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Day & Night	ICR
Day/Night Switch	Day, night, auto, scheduled-switch
Image Settings	Saturation, brightness, contrast, sharpness
Image Parameters Switch	Yes
SNR	≥55dB
Focus Mode	Auto/Semi-automatic/Manual
Smart Image Enhancement	HLC, BLC, EIS, 3D DNR, Optical Defog, Regional Focus, Regional Exposure
Panoramic Camera	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.0005 Lux @(F1.6, AGC ON) B/W: 0.0001 Lux @(F1.6, AGC ON)
Focal Length	2.8 mm
Field of View	Horizontal field of view: 2 × 180° Vertical field of view: 85°
Main Stream Resolution	50Hz: 25fps 32 MP video output mode: 8160 × 3616; 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: 4096 × 1800, 3840 × 1680, 2720 × 1192
Sub-Stream Resolution	50Hz: 25fps 32 MP video output mode: 3072 × 1280, 1560 × 656, 704 × 320; 8 MP video output mode: 704 × 320, 512 × 232 60Hz: 30fps 32 MP video output mode: 3072 × 1280, 1560 × 656, 704 × 320; 8 MP video output mode: 704 × 320, 512 × 232
Third Stream Resolution	8 MP video output mode: 2048 × 896, 1280 × 560, 704 × 320, 512 × 232
Tracking PTZ Camera	
Image Sensor	2/3" progressive scan CMOS
Min. Illumination	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.001 Lux @(F1.5, AGC ON) 0 Lux with IR
Shutter Speed	1 s to 1/30,000 s
Slow Shutter	Yes
Digital WDR	Yes
Focal Length	7.5 to 277.5 mm
Zoom Speed	Approx. 7.8 s

FOV	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)
Aperture	F1.5
Digital Zoom	16 ×
Optical Zoom	36 ×
Pan and Tilt Range	Pan: 360° endless, Tilt: -15° to 90° (Auto Flip)
Pan and Tilt Speed	Pan Manual Speed: 0.1°/s to 210°/s (Configurable), Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1°/s to 150°/s (Configurable), Tilt Preset Speed: 200°/s
Proportional Zoom	Yes
Preset	300
Patrol Scan	8 patrols
Pattern Scan	4 patterns
Power-off Memory	Yes
Park Action	Preset/ Pattern Scan/ Patrol Scan/ Auto Scan/ Tilt Scan/ Random Scan/ Frame Scan/ Panorama Scan
Scheduled Task	Preset/ Pattern Scan/ Patrol Scan/ Auto Scan/ Tilt Scan/ Random Scan/ Frame Scan/ Panorama Scan/ Dome Reboot/ Dome Adjust/ Aux Output
Privacy Mask	mask color configurable, rectangle region
3D Positioning	Yes
PTZ Status Display	Yes
Preset Freezing	Yes
Main Stream Resolution	50Hz: 25fps (4096 × 2160, 3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream Resolution	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream Resolution	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Illuminator	
IR Distance	250 m
Smart IR	Yes
Video	
Video Compression	H.265, H.264
H.264+	Yes
H.265+	Yes
Audio	
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

Smart Features	
Smart Event	[Panoramic Channel] Intrusion detection, line crossing detection, region entrance detection, region exiting detection [PTZ Channel] Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Smart Tracking	Manual Tracking; Panoramic Tracking; Event Tracking; support patrol tracking in multiple scenes
Alarm Linkage	Preset, patrol scan, pattern scan, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP
Smart Encoding	H.265+, H.264+, low bit rate, ROI, SVC
Network	
Network Storage	NAS (NFS, SMB/CIFS)
Protocols	TCP/IP, IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
API	Open-ended API, ONVIF (Profile S, Profile G), ISAPI, Hikvision SDK, Third-party management platform, ISUP
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users
Smooth Streaming	Yes
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Client	iVMS-4200
Web Browser	IE 8+
Interface	
Communication Interface	RJ45,Self-adaptive 10 M/100 M/1000 M Ethernet Interface
Fiber Interface	FC interface, built-in fiber module, 1000M, TX1310/RX1550 nm wavelength, single module fiber, up to 20 km transmission distance
On-board Storage	Built-in microSD slot, support microSD/microSDHC/microSDXC cards, up to 256 GB
RS-485	Half duplex, HIKVISION, Pelco-P and Pelco-D self-adaptive
Alarm Input	7-ch alarm input
Alarm Output	2-ch alarm output
Audio Input	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%
Audio Output	1 audio output, line level, impedance: 600 Ω
General	
Power	36 VDC (Max. 135 W, including max. 12 W for IR)
Working Temperature	-40°C to 60°C (-40°F to 140°F)
Working Humidity	≤ 95%
Reset	Yes
Protection	IP66 Standard, IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection

Demist	Yes
Material	ADC12
Dimensions	Φ 391.8mm × 400.5mm (Φ 15.43"×15.77")
Weight	Approx. 18 kg (39.68 lb)

DORI

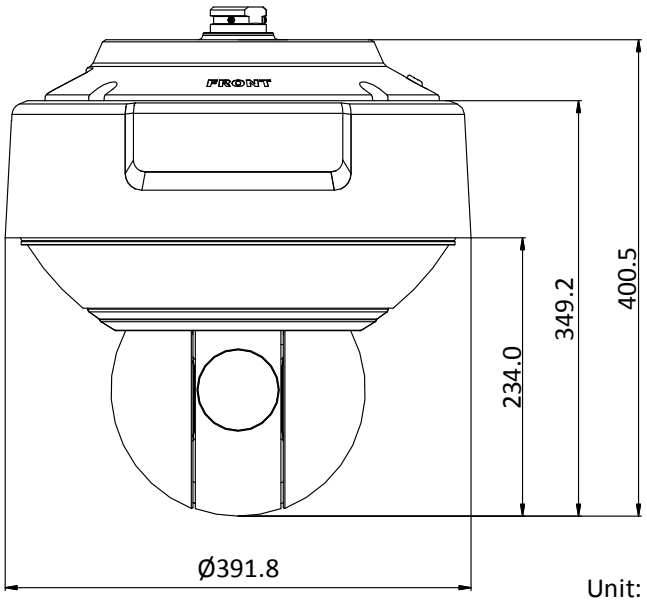
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

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)

Available Model

DS-2DP6436ZIXS-D/836/T2 (2.8 mm)

Dimensions



Unit: mm

Accessory

Optional

DS-1603ZJ-P
Wall Mounting Bracket

DS-1668ZJ-P
Pendant Mounting Bracket

DS-1668ZJ(20)-P
Pendant Mounting Bracket

DS-1603ZJ-Pole-P
Vertical Pole Mounting Bracket

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