

DS-2DP1636Z-D

PanoVu Series 360° Panoramic + PTZ Camera

- 1/1.9" Progressive Scan CMOS
- 360° View Angle
- Up to 2 × 4096 × 1800 @ 30 fps
- 36x Optical Zoom, 16x Digital Zoom
- WDR
- 3D Intelligent Positioning Function
- IP66 Protection
- 36 VDC, 120 W



Hikvision PanoVu Series DS-2DP1636Z-D panoramic + PTZ cameras, with their integrated design, are able to capture panoramic images as well as close-up images to provide both panorama and details. The panoramic images are captured by eight sensors, which realize 360° panorama monitoring. The integrated design and high speed PTZ offer fast detail positioning over a wide, panoramic area.

Furthermore, with its advanced video analysis and multiple targets tracking algorithm, PanoVu cameras also feature a wide range of smart functions for multiple targets within the panoramic view, including intrusion detection, line crossing detection, region entrance detection, and region exiting detection. The cameras could also output alarm signals to link the PTZ for tracking, benefitting users with great improvement on security efficiency.

Available Model: DS-2DP1636Z-D



DS-2DP1636Z-D	
System Function	
One-Touch Link	Supported
Tracking Mode	Manual/auto/mix
Number of Targets	Up to 60 targets can be detected at the same time
Multiple Target Tracking	Supported
Target Switch Time	<1s
Calibration	Manual/Auto
Smart Detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection
Tracking Time	Supported
Sensitivity	Supported
Panoramic Camera	
Image Sensor	1/1.9" progressive scan CMOS
Maximum Image Resolution	2 x 4096 x 1800
Minimum Illumination	Color: 0.005 lux @ f/1.8, AGC on, B/W: 0.0005 lux @ f/1.8, AGC on
Lens	5.0 mm/ f/2.2
Angle of View	Horizontal angle of view: 360°, vertical angle of view: 80°
Main Stream	50 Hz: 25 fps 2 x (4096 x 1800, 3840 x 1680, 2720 x 1192); 60 Hz: 30 fps 2 x (4096 x 1800, 3840 x 1680, 2720 x 1192)
Sub Stream	50 Hz: 25 fps 2 x (176 x 144, 352 x 288, 704 x 320); 60 Hz: 30 fps 2 x (176 x 144, 352 x 288, 704 x 320)
Third Stream	50 Hz: 25 fps 2 x (176 x 144, 352 x 288, 704 x 320, 1280 x 960, 1280 x 720, 1920 x 1080); 60 Hz: 30 fps 2 x (176 x 144, 352 x 288, 704 x 320, 1280 x 960, 1280 x 720, 1920 x 1080)
Image Compression	H.264 (baseline, main, high profile)/MJPEG
Others	HLC, 3D DNR
Tracking PTZ Camera	
Image Sensor	1/1.9" progressive scan CMOS
Maximum Image Resolution	1920 x 1080
Minimum Illumination	Color: 0.002 lux @ (f/1.5, AGC on), B/W: 0.0002 lux @ (f/1.5, AGC on)
Focal Length	5.7 mm to 205.2 mm, 36x
Zoom Speed	Approximately 6.6 s (optical wide-tele)
Angle of View	58.7° to 2.0° (wide-tele)
Min. Working Distance	10 mm to 1500 mm (wide-tele)
White Balance	Auto/manual/ATW/indoor/outdoor/daylight lamp/sodium lamp
Day/Night	IR cut filter
Privacy Mask	24 privacy masks programmable; optional multiple colors and mosaics
Optical Defog	Supported
ROI Encoding	Supports 24 areas with adjustable levels
Main Stream	50 Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720); 60 Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720)
Sub Stream	50 Hz: 25 fps (704 x 576, 352 x 288, 176 x 144); 60 Hz: 30 fps (704 x 480, 352 x 240, 176 x 120)
Third Stream	50 Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 352 x 288, 176 x 144); 60 Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 352 x 240, 176 x 120)
Image Compression	H.264 (baseline, main, high profile)/MJPEG/MPEG4
Others	120 dB WDR, HLC, 3D DNR, EIS
Pan and Tilt (Tracking PTZ Camera)	
Range	Pan: 360° endless; tilt: -15° to 90° (auto flip)
Speed	Pan manual speed: 0.1° to 300°/s, pan preset speed: 540°/s, tilt manual speed: 0.1° to 240°/s, tilt preset speed: 400°/s
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park Action	Preset/patrol/pattern/auto scan/tilt scan/random scan/frame scan/panorama scan
Scheduled Task	Preset/patrol/pattern/auto scan/tilt scan/random scan/frame scan/panorama scan/dome reboot/dome adjust/aux output
Power-Off Memory	Supported
Alarm	
Alarm I/O	7/2
Alarm Trigger	Face detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception
Alarm Action	Preset/patrol/pattern/SD card recording/aux output/ e-map on client/send e-mail/upload to FTP
Input/Output	
Audio Input	1 mic in/line in interface, line input: 2-2.4 V[p-p]; output impedance: 1K Ω, ±10%
Audio Output	1 audio output interface, line level, impedance: 600 Ω
Network	
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Application Programming	Open-ended API, ONVIF, ISAPI, PSIA
System Integration	
Menu	English
User/Host Level	Up to 32 users, 3 levels: administrator, operator and user
Security Measures	User authentication (ID and PW); host authentication (MAC address); IP address filtering
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, supports multi-language
Simultaneous Live Views	Up to 20 users
Fiber Cable	1 10M/100M FC interface, TX1310/RX1550 nm wavelength, 20 km transmission distance
Ethernet	1 RJ-45 100M/1000M Ethernet interface
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
On-Board Storage	Built-in microSD/SDHC/SDXC card slot, up to 128 GB, manual/alarm recording
General	
Power	36 VDC, maximum 120 W (heater: 44 W)
Working Temp./Humidity	-40° F to 149° F (-40° C to 65° C), humidity 90% or less
Protection Level	IP66 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ15.35" x 14.22" (Φ390 mm x 361.3 mm)
Weight (approximate)	30.86 lbs (14 kg)



WMP-PV
Long PTZ Wall Mount



CPM-PV
Short Pendant Mount



CPM-L
Long-arm Pendant Mount

Dimensions

