

## DS-2DP0818Z-D

### PanoVu Series 180° Panoramic + PTZ Camera

- 1/1.9" Progressive Scan CMOS
- Up to 4,096 × 1,800 (4 x 2 MP) @ 30 fps
- Ultra-low illumination
- 180° view angle
- 36x optical zoom, 16x digital zoom
- WDR
- 3D Intelligent Positioning Function
- IP66 Protection
- 36 VDC, 70 W

Hikvision PanoVu series DS-2DP0818Z-D panoramic and PTZ cameras, with their integrated design, are able to capture panoramic images as well as close-up images, and provide considerable panoramic detail. The panoramic images are captured by four sensors, which perform 180° monitoring together. The integrated design model and high speed PTZ offer fast and detailed positioning over a panoramic area.

Furthermore, with its advanced video analysis and multiple target-tracking algorithm, PanoVu cameras feature a wide range of multiple-target smart functions that allow for intrusion, line crossing, region entrance, and region exiting in the panoramic viewing area. The cameras also support PTZ tracking alarm signals, which provides users with added and efficient security monitoring.

**Available Model:** DS-2DP0818Z-D



| DS-2DP0818Z-D                      |                                                                                                                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Function                    |                                                                                                                                                                                    |
| One-touch Link                     | 1/1.9" Progressive Scan CMOS                                                                                                                                                       |
| Tracking mode                      | 4,096 × 1,800                                                                                                                                                                      |
| Number of Targets                  | Color: 0.005 Lux @ (F2.2, AGC On), B/W: 0.0005 Lux @ (F2.2, AGC On)                                                                                                                |
| Multiple Targets Tracking          | f5.0 mm / F2.2                                                                                                                                                                     |
| Target switch time                 | Horizontal angle of view: 180°, Vertical angle of view: 80°                                                                                                                        |
| 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           | 4,096 × 1,800                                                                                                                                                                      |
| Minimum Illumination               | Color: 0.005 Lux @ (F2.2, AGC On), B/W: 0.0005 Lux @ (F2.2, AGC On)                                                                                                                |
| Lens                               | f5.0 mm / F2.2                                                                                                                                                                     |
| Angle of View                      | Horizontal angle of view: 180°, Vertical angle of view: 80°                                                                                                                        |
| 3D Operation                       | Supported                                                                                                                                                                          |
| Audio Exception Detection          | Supported                                                                                                                                                                          |
| Main Stream                        | 50 Hz: 25 fps (4,096 × 1,800, 3,840 × 1,680, 2,720 × 1,192); 60 Hz: 30 fps (4,096 × 1,800, 3,840 × 1,680, 2,720 × 1,192)                                                           |
| Sub Stream                         | 50 Hz: 25 fps(176 × 144, 352 × 288, 704 × 320); 60 Hz: 30 fps(176 × 144, 352 × 288, 704 × 320)                                                                                     |
| Third Stream                       | 50 Hz: 25fps(176 × 144, 352 × 288, 704 × 320, 1,280 × 960, 1,280 × 720, 1,920 × 1,080);<br>60 Hz: 30fps(176 × 144, 352 × 288, 704 × 320, 1,280 × 960, 1,280 × 720, 1,920 × 1,080)  |
| Image Compression                  | H.264 (Baseline, Main, High Profile) / MJPEG                                                                                                                                       |
| Others                             | BLC, 3D DNR                                                                                                                                                                        |
| Tracking PTZ Camera                |                                                                                                                                                                                    |
| Image Sensor                       | 1/1.9" Progressive Scan CMOS                                                                                                                                                       |
| Maximum Image Resolution           | 1,920 × 1,080                                                                                                                                                                      |
| Minimum Illumination               | Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002Lux @ (F1.5, AGC ON)                                                                                                                 |
| Focal Length                       | 5.7 - 205.2 mm, 36 x                                                                                                                                                               |
| Zoom Speed                         | Approximately 6.6 s (Optical Wide-Tele)                                                                                                                                            |
| Angle of View                      | 58.7° to 2.0° (Wide-Tele)                                                                                                                                                          |
| Minimum Working Distance           | 10 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                      | Support                                                                                                                                                                            |
| ROI encoding                       | Support 24 areas with adjustable levels                                                                                                                                            |
| Main Stream                        | 50Hz: 25 fps (1,920 × 1,080, 1,280 × 960, 1,280 × 720)<br>60Hz: 30 fps (1,920 × 1,080, 1,280 × 960, 1,280 × 720)                                                                   |
| Sub Stream                         | 50Hz: 25 fps (704 × 576, 352 × 288, 176 × 144)<br>60Hz: 30 fps (704 × 480, 352 × 240, 176 × 120)                                                                                   |
| Third Stream                       | 50Hz: 25 fps (1,920 × 1,080, 1,280 × 960, 1,280 × 720, 704 × 576, 352 × 288, 176 × 144)<br>60Hz: 30 fps (1,920 × 1,080, 1,280 × 960, 1,280 × 720, 704 × 480, 352 × 240, 176 × 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 a recording time of no 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 / auxiliary output                                        |
| Power-off memory                   | Support                                                                                                                                                                            |
| 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 email/ upload to ftp                                                                              |
| Input / Output                     |                                                                                                                                                                                    |
| Audio Input                        | 1 Microphone in/Line in interface, line input: 2 to 2.4 V [p-p]; output impedance: 1KΩ, ±10%                                                                                       |
| Audio Output                       | 1 Audio output interface, line level, impedance: 600Ω                                                                                                                              |
| Network                            |                                                                                                                                                                                    |
| Audio Compression                  | G.711 U-law / G.711 A-law / 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+, support multi-language                    |
| Simultaneous Live View       | Up to 20 users                                                                           |
| Fiber Cable                  | 110M/100M/1000M FC interface, TX1310 / RX1550nm wavelength, 20 km transmission distance  |
| Ethernet                     | 1 RJ45 100M/1000M Ethernet interface                                                     |
| RS485                        | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive                                  |
| Onboard Storage              | Built-in microSD/SDHC/SDXC card slot, up to 128 GB, manual/alarm recording               |
| General                      |                                                                                          |
| Power                        | 36 VDC, Maximum 70 W (Heater: 22 W)                                                      |
| Working Temperature/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 and transient voltage protection   |
| Dimensions (mm)              | Ø 15.35" x Ø 2.41" (Ø 390 mm x 361.3 mm)                                                 |
| Weight                       | 30.86 lbs(14 kg)                                                                         |

## Accessories

|                                                                                                                                |                                                                                                                                |                                                                                                                                    |
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|  <p><b>WMP-PV</b><br/>Long PTZ Wall Mount</p> |  <p><b>CPM-PV</b><br/>Short Pendant Mount</p> |  <p><b>CPM-L</b><br/>Long-arm Pendant Mount</p> |
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## Dimensions

