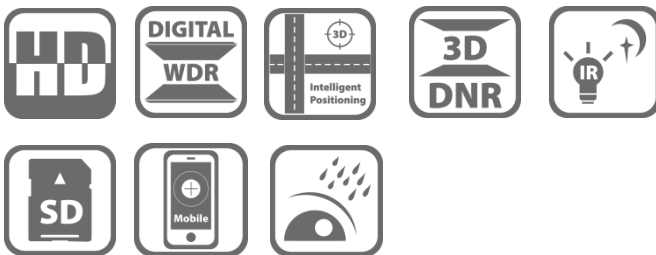


DS-P2420

DS-P2420 PTZ Dome Cameras are able to capture high quality images in low light environment with its black anti-reflective glass. The black anti-reflective glass increase the luminousness which can reach up to 100m IR distance.

Embedded with 1/2.8" progressive scan CMOS chip makes DWDR and 2MP real-time resolution possible. With the 20X optical zoom Day/Night lens, the camera offers more details over expansive areas.

DS-P2420 PTZ Dome Cameras also features a wide range of functions, including intrusion detection, line crossing detection benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs.

Key Features

- 1/2.8" Progressive Scan CMOS
- 1920 x 1080
- 20X Optical Zoom
- DWDR
- 3D intelligent positioning function
- Support cloud P2P
- Up to 100m IR distance
- 12VDC & POE(802.3at)
- Mobile APP: CCTV Guard

Function Description

Basic function

- High performance sensor, up to 1920 x 1080 resolution
- $\pm 0.1^\circ$ Preset Accuracy
- ONVIF(Open Network Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- Power-off memory function: restore PTZ & Lens status after reboot
- IP66 standard
- Support cloud P2P
- Mobile APP: CCTV Guard

Functions

- Detections: intrusion detection, line crossing detection, audio exception, motion detection
- Recording: edge recording, support smart search in smart NVR
- Support low bit rate, ROI

Camera function

- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: 0.05Lux@(F1.6,AGC ON)(Color), 0.01Lux@(F1.6,AGC ON)(B/W), 0 Lux with IR
- Support 8 privacy masks

PTZ functions

- 360° endless pan range and -15°-90° tilt range
- 80°/s Pan Preset Speed and 80°/s Tilt Preset Speed
- 0.1°-80°/s Manual Pan Speed and 0.1°-80°/s Manual Tilt Speed
- 300 presets programmable;
- 8 patrols, up to 32 presets per patrol

Network function

- H.264/ MJPEG video compression and the latest processing chip and platform
- Built-in Web server
- Micro SD card local storage, up to 128GB
- Support up to 8 NAS storage; Transmit the videos from SD card to the NAS after network resumed
- HTTPS encryption and IEEE 802.1x port-based network access control
- Support three streams; H.264/MJPEG video compression; Basic and advanced video configuration; Real time video at 1080P or 720P
- Multiple network protocols supported: IPv4/IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS
- 1 audio input and 1 audio output.

IR function

- 0 Lux minimum illumination
- Up to 100m IR distance
- IR light MTBF reaching up to 30,000 hours
- Smart IR mode

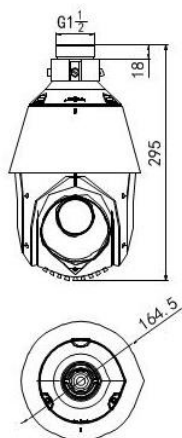
Specifications

| | |
|-----------------------|--|
| Model | DS-P2420 |
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Min. Illumination | F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux, 0 lux with IR |
| Max. Image Resolution | 1920 × 1080 |
| Focal Length | 4.7-94.0mm, 20x |
| Digital Zoom | 16X |
| Zoom Speed | Approx.3s(Optical Wide~Tele) |
| Angle of View | 58.3-3.2 degree (Wide~Tele) |
| Min. Working Distance | 10~1,000mm(Wide~Tele) |
| Aperture Range | F1.6~F3.5 |
| Focus Mode | Auto / Semiautomatic / Manual |
| DWDR | Support |
| Shutter Time | 1-1/10,000s |
| AGC | Auto / Manual |
| White Balance | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp |
| Day & Night | IR Cut Filter |
| Privacy Mask | 8 privacy masks programmable |
| Enhancement | 3D DNR, Defog, HLC/BLC, EIS |
| Pan and Tilt | |
| Range | Pan:360° endless; Tilt: -15°~90°(Auto Flip) |
| Speed | Pan Manual Speed: 0.1°~80°/s, Pan Preset Speed: 80°/s Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s |
| Number of Preset | 300 |
| Patrol | 8 patrols, up to 32 presets per patrol |
| Pattern | 4 pattern scans, record time over 10 minutes for each scan |
| Park Action | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan |
| Scheduled Task | Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust |
| Features | |
| Detection | Intrusion detection, Line crossing detection, Motion detection |
| ROI encoding | Support 4 areas with adjustable levels |
| Infrared | |
| IR Distance | Up to 100m |
| IR Intensity | Automatically adjusted, depending on the zoom ratio |
| Network | |
| Ethernet | 10Base-T / 100Base-TX, RJ45 connector |
| Stream | Support three Streams |

| | |
|-------------|--|
| Main Stream | 50Hz:25fps (1920×1080,1280×960,1280×720), 50fps (1280×960,1280×720) ; 60Hz: 30fps(1920×1080,1280×960,1280×720), 60fps (1280×960,1280×720) |
| Sub Stream | 50Hz:25fps(704×576,640×480,352×288);60Hz:30fps(704×480,640×480,352×240) |

| | |
|---------------------------|---|
| Three Stream | 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) |
| Image Compression | H.264/MJPEG |
| Audio Input | 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% |
| Audio Output | 1 output, Line level, impedance: 600Ω |
| Audio Compression | G.711/G.722/G.726/MP2L2 |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE |
| Simultaneous Live View | Up to 20 users |
| Mini SD Memory Card | Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge recording |
| 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 |
| System Integration | |
| Application programming | Open-ended API, support ONVIF, PSIA and CG , Support cloud P2P |
| Web Browser | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 + |
| Power | 12 VDC & POE(802.3at, class4), Max.20W |
| Working Temperature | -30°C ~ 65°C (-22°F ~ 149°F) |
| Humidity | 90% or less |
| Protection Level | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection |
| Certification | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1 |
| Dimensions | Φ164.5(mm)×295(mm) |
| Weight (approx.) | 2kg (4.41lbs) |
| Mount Option | Long-arm wall mount; Corner mount; Pole Mount; Power box mount; Swan-neck mount |

Dimensions



Unit:mm