

DUNLOP

DP-22DY3220IW/3320IW-D/D4 2MP/3MP Network IR PTZ Camera



Dunlop DP-22DY3220IW/3320IW-D/D4 Network IR PTZ Cameras are able to capture high quality images in low light environment with its black anti-reflective glass. The black anti-reflective glass increases the luminousness which can reach up to 120m IR distance.

Embedded with 1/2.8" progressive scan CMOS chip makes WDR and 2MP/3MP real-time resolution possible. With the 20X optical zoom Day/Night lens, the camera offers more details over expansive areas.

- 1/2.8" Progressive Scan CMOS
- 1920 x 1080/ 2048 x 1536
- Support H.265 Video Compression
- 20X Optical Zoom
- WDR
- 3D intelligent positioning function
- Up to 120m IR distance
- 12VDC power supply

Function Description

Basic function

- High performance CMOS, up to 1920 x 1080/ 2048 x 1536 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.
- 3D DNR.
- IP66 standard.
- 1 alarm inputs and 1 alarm outputs.

Smart Function

- Smart image processing: support defog, HLC/BLC.
- Smart codec: low bit rate, ROI.
- Smart detection: support intrusion detection, line crossing detection, audio exception detection.

Camera function

- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch.
- Min. Illumination: Color : 0.05Lux @ (F1.6, AGC ON), B/W : 0.005Lux @ (F1.6, AGC ON).
- Support 8 privacy masks.
- 1 audio input and 1 audio output.

PTZ functions

- 360° endless pan range and $-40^\circ \sim 30^\circ$ tilt range.
- $0.1^\circ \sim 60^\circ/s$ Manual Pan Speed and $0.1^\circ \sim 30^\circ/s$ Manual Tilt Speed.
- 300 presets programmable; preset image freezing capability.
- 8 patrols, up to 32 presets per patrol.
- 4 patterns, with the recording time not less than 10 minutes per pattern.
- Proportional zoom function.
- Park action: auto call up of PTZ movement, after a defined time of inactivity.
- Power-off memory: restore PTZ & Lens status after reboot.

Network function

- H.265/H.264/MJPEG video compression.
- H.264 encoding with Baseline/Main/High profile.
- ROI(Region of Interest) encoding.
- Built-in Web server.
- Onboard storage, up to 128GB.
- Support up to 8 NAS storage; Edge recording (transmit the videos from SD card to the NAS after network resumed).
- HTTPS encryption and IEEE 802.1X port-based network access control.
- Support trip-streams.
- Multiple network protocols supported: IPv4/Ipv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE.

Specifications

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model | DP-22DY3220IW-D/D4 | DP-22DY3320IW-D/D4 |
| Camera | | |
| Image Sensor | 1/2.8" Progressive Scan CMOS | |
| Max. Image Resolution | 1920 × 1080 | 2048 × 1536 |
| Min. Illumination | Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.005Lux @ (F1.6, AGC ON), 0 Lux with IR | |
| Day & Night | IR Cut Filter | |
| Focus Mode | Auto/ Semiautomatic/ Manual | |
| Shutter Speed | 50HZ: 1/1 ~ 1/30,000s, 60HZ: 1/1~1/30,000s | |
| S/N Ratio | >52dB | |
| Digital Zoom | 16X | |
| White Balance | Auto/ Manual/ ATW/ Indoor/ Outdoor/ Daylight lamp/ Sodium lamp | |
| AGC | Auto/ Manual | |
| Lens | | |
| Focal Length | 4.7-94mm, 20X | |
| Angle of View | 58.3° -3.2° (Wide-Tele) | |
| Min. Working Distance | 10-1500mm(Wide-Tele) | |
| Aperture Range | F1.6-F3.5 | |
| Image | | |
| 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) | 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1280 × 960, 1280 × 720); 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1280 × 960, 1280 × 720) |
| Sub Stream | 50Hz:25fps(704×576, 640×480, 320 × 288); 60Hz:30fps(704×480, 640×480, 320 × 240) | |
| Third Stream | 50Hz: 1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640×480, 320 × 288; 60Hz: 1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640×480, 320 × 240 | |
| Image Compression | H.265/H.264(Baseline, Main, High Profile)/MJPEG | |
| Audio compression | G.711ulaw/G.711alaw/G.726/MP2L2 | |
| SVC | Support | |
| ROI encoding | Support | |
| Protocols | IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTP,TCP,UDP,IGMP,ICMP, DHCP, PPPoE | |
| Others | Defog, Privacy Mask, 3D DNR, BLC, HLC, WDR | |
| Infrared | | |
| IR Distance | Up to 120m | |
| IR Intensity | Automatically adjusted, depending on the zoom ratio | |
| Smart IR | Support | |
| Pan and Tilt | | |
| Movement Range | -D4: Pan: 360° endless, Tilt: -40° ~ 30° ; -D: Tilt: -40° ~ -20° , Pan: 0° ~ 120° & 240° ~360° ; Tilt: -20° ~ 30° , Pan: 360° endless | |
| Movement Speed | Pan: 0.1°-60°/s, Tilt: 0.1°-30°/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 | Support | |
| Proportional Zoom | Support | |
| PTZ Position Display | On/ Off | |
| System Integration | | |

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|----------------------------------|---------------------------------------------------------------------------------------------------|
| Menu | English |
| 3D Positioning | Support |
| Preset Freezing | Support |
| Scheduled Task | Support |
| Alarm I/O | 1 alarm inputs, 1 alarm output, Support alarm linkage |
| Alarm Action | Preset / Patrol / Pattern / SD card recording/ Aux output/ E-map on Client |
| Audio I/O | 1/1 |
| Ethernet | 1 RJ45 10M/100M Ethernet interface |
| CVBS Output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC |
| RS485 | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive |
| Onboard Storage | Built-in Micro SD/SDXC card slot, up to 128GB, manual/alarm recording |
| Number of Simultaneous Live View | 20 |
| User/ Host Level | Up to 32 users,3 Levels: Administrator, Operator and User |
| General | |
| Power | DC 12V, MAX. 19W |
| Working Temperature/ Humidity | -30 °C – 70 °C (Outdoor), Humidity 90% or less |
| Protection Level | IP66 standard, TVS 4,000V lightning protection, surge protection and voltage transient protection |
| Dimensions(mm) | 367× 122× 241(-D) /255× 129× 194(-D4) |
| Weight | 3kg |