HIKVISION

DS-2DY3320'3220IW-D'D4
2MP/3MP Network IR PTZ Camera

Hikvision DS-2DY3320'3220IW-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 100m 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
- 20X Optical Zoom
- WDR
- 3D intelligent positioning function
- Up to 100m IR distance
- 12VDC power supply

Function Description

Basic function

- High performance CMOS, up to 1920 x 1080/ 2048 x 1536 resolution.
- $\pm$0.1° 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°~ 30° tilt range.
- 0.1°~ 60°/s Manual Pan Speed and 0.1°~ 30°/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.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.
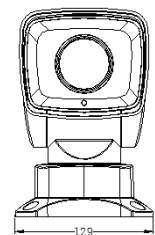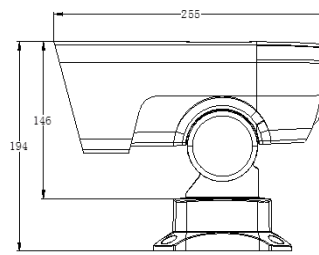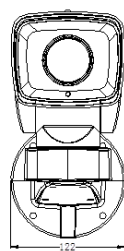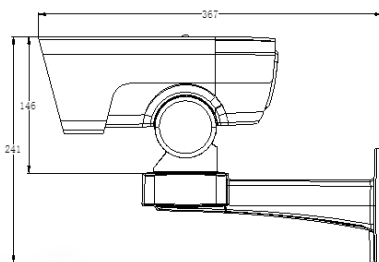
Specifications

Model	DS-2DY3220IW-D/D4	DS-2DY3320IW-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.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 100m	
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		

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 – 65 °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

Order Models

DS-2DY3220IW-D;   DS-2DY3220IW-D4;   DS-2DY3320IW-D;   DS-2DY3320IW-D4

Dimensions

Distributed by

Draft   05031220160504