

8.0 Megapixel IP Dome Camera, 2.8 ~ 12mm Motorized AF Lens, 3840 x 2160p, NightHawk, Ultra H.265, WDR 120dB, Smart AI, microSD slot, IK10, IP67



8MP
3840 x 2160p
Resolution



H.265
H.265 Video
Compression



2.8-12mm
Motorized Lens



SMD LEDs
40M



WDR
Wide Dynamic
Range 120dB



Smart AI
Algorithm



Vandal proof
IK10



PoE
12V DC

Product information

The IP-D300IRP is a weather-resistant, easy to install IP dome camera featuring a 1/2.8" CMOS sensor and a resolution of 3840 x 2160p. It's ideal for a wide range of round-the-clock security and surveillance tasks, from city centers, transport systems and retail centers to schools and colleges. The advanced sensor captures smooth, crisp 8 Megapixel pictures at 20fps, with industry-leading sensitivity for clear, low-noise images in challenging low light conditions. The camera can see in conditions of complete darkness, with built-in IR illumination that's coupled with Advanced IR technology to capture near and far-away objects without overexposure. IP-D300IRP can clearly capture objects in total darkness at distances up to 40m from the camera. NightHawk platform uses unique signal processing to boost image quality in a wide range of operating environments, while state-of-the-art video analytics technologies offer more efficient security operations based on user-defined rules.

IP-D300IRP

- 1/2.8" progressive scan CMOS-Sensor
- 8.0 Megapixel resolution: 3840 x 2160p
- Ultra H.265 / H.264 Image Compression Method
- 2.8-12mm Day/Night (IR) Megapixel lens
- SMD LEDs - up to 40m Night Vision
- Day/Night function with mechanical IR cut filter
- Time Exposure und Wide Dynamic Range 120dB
- Intrusion Detection, Line Crossing Detection, ROI
- Target Classification, Smart Intrusion Prevention
- NightHawk technology ensures ultra-high image quality in low illumination environment
- Alarm I/O, Audio I/O, microSD up to 256GB
- Weatherproof IP67 housing, IK10, 3-axis
- 12V DC and Power over Ethernet (max. 10,5 Watt)

Specifications

Image Sensor	1/2.8" progressive scan CMOS
Maximum Resolution	8.0MP (16:9)
Active Pixel	3840 (H) x 2160 (V)
Minimum Illumination	Color: 0.003Lux (F1.6, AGC on), B/W: 0Lux (IR-LEDs on)
Infrared-LEDs	850nm wavelength; Infrared-SMD-LEDs, Smart-IR
Lens	2.8 mm to 12 mm (F1.6)
Lens Type	Remote focus and zoom, Autofocus, Day/Night (IR)
Viewing Angle	107.40° to 29.21° (horizontal), 54.22° to 16.34° (vertical)
S/N	>56dB
IR Range	Up to 40m IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Ultra Low Light	NightHawk (Advanced IR-Technology)
Shutter	Auto/Manual, Shutter time: 1 1/100000 s
Defog	Digital Defog
WDR	120dB
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 8MP (3840*2160), Max 20fps; 5MP (3072*1728), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;
Video Bit Rate	128 Kbps ~ 16 Mbps
9:16 Corridor Mode	Supported
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Supported
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	Supported
HLC / BLC	Supported
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)
Smart Intrusion Prevention	Intelligent perimeter protection, include cross line, intrusion, enter area, leave area detection
Smart Artificial Intelligence Algorithm	Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and, motor vehicle and non-motor vehicle
Basic Detection	Motion detection, tampering alarm, audio detection
General Function	Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication, HTTP authentication
Microphone	Built-in Mic
Audio Compression	G.711
Two-way Audio	Supported
Suppression	Supported
Sampling Rate	8KHZ
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
Audio I/O	1 Input: impedance 35kΩ; amplitude 2V [p-p], 1 Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1 Input, 1 Output

Specifications

Network	10M/100M Base-TX Ethernet
Reset Button	Supported
Certifications	CE: EN 60950-1 UL: UL60950-1 FCC: FCC Part 15
Surge Protection	2KV
Vandal Protection	IK10
Ingress Protection	IP67
Material	Metal
Operating Temperature / Humidity	-30°C up to 60°C / 0% up to 95% (non-condensing)
Power Consumption	Max. 9W
Input Voltage	12V DC or PoE (IEEE 802.3af compatible)
Adjustment angle	3-axis (Pan: 0° ~ 355°, Tilt: 0° ~ 80°, Rotate: 0° ~ 355°)
Dimensions (Ø x H)	148 x 111.4 mm
Weight	Appr. 970g

