

8.0 Megapixel IP PTZ Camera, 40X optical Zoom, 3840 x 2160p, Ultra H.265, NightHawk, 275m IR distance, Smart Intrusion Prevention, Alarm I/O, IP66



3840 x 2160p
Resolution



H.265 Video
Compression



5.7-228mm
Motorized Lens



SMD LEDs
275M



Pan Range
360°



Smart AI
Algorithm



MicroSD
up to 256GB



High PoE
12V DC / 24V AC

Product information

The IP-T8645IR-PTZ is a high-performance PTZ network camera that's ideal for wide-area surveillance in challenging environments – from airports, stadiums and urban areas to malls and perimeters. The camera's sensitive, high-resolution 1/1.8" CMOS sensor bringing on-board image processing to a new level at 4K UHD resolution. The IP-T8645IR-PTZ allows continuous 360° PTZ operation, with the fast pan speed of 300°/s letting an operator quickly recall preset areas of interest in a single, seamless motion. A powerful 40x optical zoom offers wide area coverage, plus the ability to grab detailed close-ups without losing clarity. Video images can be captured at a high frame rate of 30fps, allowing precise analysis when stepping through recorded footage frame by frame. It's ideal for applications like city surveillance where it's essential to see what's happening with split-second accuracy. Ideal for use in outdoor areas, the camera is IP66-rated against ingress by water and dust.

IP-T8645IR-PTZ

- 1/1.8" progressive scan CMOS-Sensor
- 8.0 Megapixel resolution: 3840 x 2160p
- Ultra H.265 / H.264 Image Compression Method
- 5.7-228mm (IR) Megapixel lens, 40X optical Zoom
- SMD LEDs - up to 275m Night Vision, Day/Night
- Intrusion Detection, Line Crossing Detection, ROI
- Target Classification, Smart Intrusion Prevention
- Face capture, automatic selection of best snapshots
- Triple streams, Privacy mask, People Counting
- NightHawk technology ensures ultra-high image quality in low illumination environment
- Alarm I/O 7/2, Audio I/O 1/1, microSD up to 256GB
- 360° Pan Range, Weatherproof IP67 housing, IK10
- 12V DC / 24V AC and High PoE (max. 61 Watt)

Specifications

Image Sensor	1/1.8" progressive scan CMOS
Maximum Resolution	8.0MP (16:9)
Active Pixel	3840 (H) x 2160 (V)
Minimum Illumination	Color: 0.003Lux (F1.5, AGC on), B/W: 0Lux (IR-LEDs on)
Day/Night	IR-cut filter with auto switch (ICR)
Infrared-LEDs	850nm wavelength; Infrared-SMD-LEDs, Smart-IR
Lens	5.7 mm to 228 mm (F1.5)
Digital Zoom	16x
Optical Zoom	40x
Iris	Auto; F1.5 ~ F4.8
Lens Type	Remote focus and zoom, Autofocus, Day/Night (IR)
Angle of View (H)	58.40° ~ 2.08°
Angle of View (V)	36.80° ~ 1.30°
Angle of View (O)	72.10° ~ 2.38°
S/N	>56dB
DORI Distance (5.7mm)	Detection: 146m; Observation: 58m; Recognition: 29m; Identification: 14m
DORI Distance (228mm)	Detection: 4545m; Observation: 1818m; Recognition: 909m; Identification: 454m
IR Range	Up to 275m IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Ultra Low Light	NightHawk (Advanced IR-Technology)
Shutter	Auto/Manual, 1 ~ 1/100000s
Defog	Optical Defog & Digital Defog
WDR	Digital WDR
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 30fps (Frame Priority mode) and Max 20fps (Smart Priority mode); 5MP (3072*1728), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; Third Stream: D1 (720*576), Max 30fps;
Video Bit Rate	128 Kbps ~ 16 Mbps
Video streams	Triple streams
U-code	Supported
OSD	Up to 8 OSDs
Privacy Mask	Up to 24 areas, up to 4 areas per scene
ROI	Up to 8 areas
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Supported
Flip	Normal/Flip Vertical/Flip Horizontal/180°
HLC / BLC	Supported
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)
Smart Intrusion Prevention (Smart Priority mode only)	Support false alarm filtering: Line crossing detection, Intrusion detection, Region entrance detection, Region exit detection, Face Capture, People Counting
Basic Detection	Motion detection, tampering alarm, audio detection
Auto Tracking	Support
General Function	Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
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, RTMP, SSL/TLS

Specifications

Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User / Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 180°/s; Preset speed: 300°/s
Tilt Range	-15° ~ 90° (auto reverse)
Tilt Speed	0.1°/s ~ 180°/s; Preset speed: 240°/s
Number of Presets	1024
Patrol	Preset patrol, Route patrol, Recorded patrol
Patrol Stay Time	15s ~ 1800s
Preset Image Freeze	Support
Home Position	Support
Audio I/O	1/1
Alarm I/O	7/2
Serial Port	RS485
Built-in Mic / Built-in Speaker	N/A
WIFI	N/A
Network	RJ45 10M/100M Base-TX Ethernet
Certification EMC	FCC CFR 47 Part 15 EN 55032:2015 EN 55024:2010 EN 61000-3-2:2014 EN 61000-3-3-2013
Certification Safety	IEC 62368-1 EN 62368-1 UL 60950-1
Certification Environment	CE-ROHS (2011/65/EU;(EU)2015/863) WEEE (2012/19/EU) REACH (Regulation (EC) No 1907/2006)
Certification Protection	Ingression protection: IP66 (IEC 60529-2013)
Reset Button	Support
Surge Protection	6KV
Ingress Protection	IP66
Material	Metal
Operating Temperature / Humidity	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Power Interface	Wires with cold-pressed terminal
Power Consumption	Max. 61W
Input Voltage	12V DC / 24V AC or High PoE (IEEE 802.3bt compatible)
Adjustment angle	3-axis (Pan: 0° ~ 355°, Tilt: 0° ~ 80°, Rotate: 0° ~ 355°)
Dimensions (Ø x H)	270 x 497 mm
Weight	Appr. 9.69Kg

