PD2024W

4MP IP Pendant PTZ camera with 42x motor zoom, IR, 1/1.8" CMOS

DESCRIPTION

The PD2024W is a 4-megapixel IP outdoor PTZ dome camera without a bubble. A powerful high-grade 42x optical zoom lens ensures sharp and clear images over a wide range. The integrated IR illumination ensures crispy images over 400 m in no light conditions. The high-speed pan, tilt, and zoom mechanism and auto-focus give instantaneous and stable focused images. The camera is fitted with several intelligent features making video surveillance easy. The PD2024W is equipped with a wiper.

FEATURES

- 1/1.8 Progressive scan CMOS imager
- 2560x1440 (4MP)
- 42x optical zoom, 16x digital zoom
- 400°/s preset speed
- Integrated IR illumination up to 400 m
- 140 dB WDR (HDR)
- Supports EIS, Defog, BLC, and HLC
- Intelligent VCA, Auto tracking, AI
- IP67 and vandal proof IK10
- ONVIF Profile S and G conformant
- Wiper



Description

Small form factor moveable PTZ camera
The PD2024W is a rugged pendant camera with PTZ capabilities. It is the versatility of this camera that makes it suitable for most if not all environments and applications.

Multi-encoder & multi-streaming

High-Efficiency Video Coding (HEVC)
H.265 or HEVC is a video compression standard, the successor of H.264. In comparison, H.265 offers about double the compression ratio at the same level of video quality or substantially improved video quality at the same bit rate. Thus saving bandwidth and recording space.

ONVIF
Multiple options are available to easily integrate the PD2024W into a video management system. In support of open standards, the camera is ONVIF conformant. Any VMS today supports this camera via its ONVIF driver.

Image enhancement
The PD2024W features a set of tools to enhance the image quality, such as smart IR, Defog, BLC, and 3D noise reduction.

Ease of installation
The PD2024W comes with mounting options (seaparately sold) for pendant wall mounting, pole mounting, ceiling mounting, and surface mounting.

(c) 20260420

Camera	
Image sensor	1/1.8" CMOS
Max. Resolution	2560x1440 (4MP)
Max. Frame rate	30
Minimum scene illumination	0.001 lx (Color); 0.0005 lx (B/W); F1.2,
	AGC on
Shutter Speed	1 .. 1/30000 s
Lens	Motorized 6 .. 252 mm (42x zoom), F1.2, Auto-iris
Field of View	56.6 .. 1.7 deg horizontal, 33.7 .. 0.9 deg vertical
Focus Control	Auto, Semi-auto, Manual, Rapid
Slow Shutter	Supported
Day/Night	Automatic IR-cut Filter
IR illumination	400 m; 850 nm

Video	
Stream 1 resolutions	2560x1440, 1920x1080, 1280x960, 1280x720, D1
Stream 2 resolutions	640x480, 4CIF, CIF
Stream 3 resolutions	1920x1080, 1280x960, 1280x720, 640x480, 4CIF,
	CIF
Video Compression	H.265, H.264, MJPEG
H.264 profiles	Baseline profile, Main profile, High profile
H.265 profiles	Main profile
Video Bitrate	
Bitrate Control	CBR, VBR
Number of video output streams	Up to 20
Region of interest	Supported, 8x
Video output	Supported, 1x (1 Vp-p Composite Output (75 ?/CVBS),
	BNC)

Image	
Image control	Brightness, Contrast, Saturation, Sharpness,
	Whitebalance, AGC
Day/Night control	Day, Night, Auto, Schedule
Wide dynamic range	140 dB
SNR	52 db
Image enhancement	BLC, HLC, Defog, 3DNR, 2DNR
Rotation	0, 180
Privacy masks	Video.1.Image.PrivacyMask.Line
Text and picture overlay	8x Text, Date/time, Camera name, Picture
Image stabilization	Supported (Built-in Gyro)

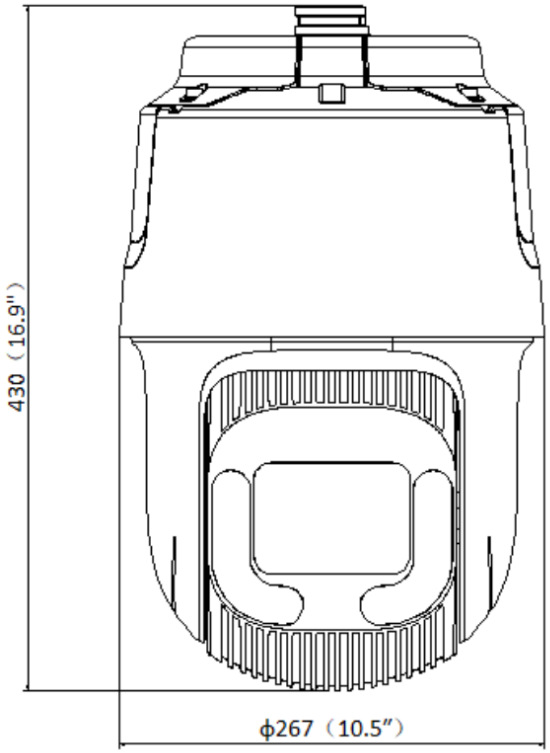
PTZ	
Pan range	0 .. 360° Endless
Tilt range	-20 .. 90° Auto flip

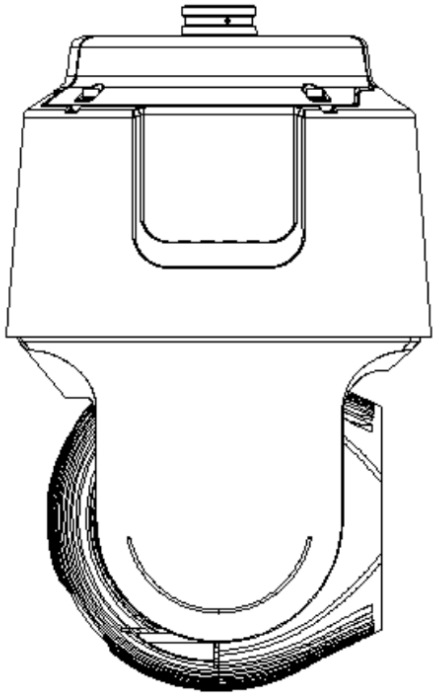
Specs

PTZ	
Pan speed	0.1 .. 280 °/s
Tilt speed	0.1 .. 250 deg/s
Preset accuracy	0.1°
PTZ functions	Presets, Pattern, Pan scan, Tilt scan, Random scan,
	Calibrate North position, Auto PTZ tracking, Speed by zoom
Number of presets	300
Analytics	
Smart analytics	Line crossing, Intrusion detection, Zone enter,
	Zone exit, Audio exception, Left luggage, Object removed,
	Face detection, Person detection, Vehicle detection,
	License plate recognition, Auto tracking
Event detections	Motion detection, Tampering, Network disconnected,
	IP address conflict, Invalid login, Watchdog bark, Storage full,
	Storage error
Event actions	Alarm output, Record video clip, Send message,
	Upload image
Audio	
Audio input	1x Line IN (mono)
Audio output	1x Line OUT (mono)
Compression	G.711ulaw, G.711alaw, G.722.1, G.726, MP2L2, PCM, AAC-LC
Data	
Serial port	1x RS-485 2-wire
Protocols	Pelco-D, Pelco-P
Alarm	
Input	7x Alarm IN
Output	2x Digital OUT
Network	
Interface	RJ45 10 M/100 M self-adaptive Ethernet port
Protocols	TCP, UDP, ICMP, HTTP, FTP, SRTP, RTP, DHCP, DNS, DDNS,
	RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP v1/v2/v3, IGMP v1/v2/v3,
	802.1x, QoS, IPv4, IPv6, Bonjour, TLS, ONVIF Profile S/G/T, SPI,
	ISAPI, SMB, NFS, CIFS
Interoperability	ONVIF Profile S/G/T, SPI, ISAPI
Security	Password, Complex password, HTTPS encryption,
	802.1x port authentication, EAP, Watermark, IP address filter,
	Basic authentication, Digest authentication, HTTP authentication,
	ONVIF WSSE authentication, ONVIF digest authentication,
	TRTP over HTTPS, RTSP over HTTPS, Logout after idle timeout,

Specs

Network	
	Security audit log, TLSv1.2, TLSv1.3, Signed firmware, Secure boot
Web browser	Internet Explorer 11, Microsoft Edge, Google Chrome,
	Mozilla Firefox
Local Storage	Supported, max. 256 GB
Environmental	
Protection Level	IP67, IK10
Operating temperature	-40 .. 70 °C (-40 .. 158 °F)
Relative humidity (Operating)	Max. 95% (non-condensing)
Storage temperature	-30 .. 60 °C (-22 .. 140 °F)
Relative humidity (Storage)	Max. 95% (non-condensing)
Power supply	24VAC (max. 62W)
	PoE 802.3bt (max. 51W)
Overvoltage protection	TVS 6000V lightning protection,
	surge protection and voltage transient protection
Mechanical	
Material	Aluminium, Polycarbonate
Product dimensions	267 x 267 x 430
Product weight	9.6 kg (21.2 lbs)
Package dimensions	330 x 325 x 585
Package weight	11 kg (24.3 lbs)
Ordering Information	
PD2024	4MP IP Pendant PTZ camera with 42x motor zoom, IR,
	1/1.8" CMOS
WM12	Wall mount, for PD20xx PTZ dome series
WM12B	Wall mount with junction box, for PD20xx PTZ dome series
PM07	Pole mount, for PD20xx PTZ dome series
PM07B	Pole mount with junction box, for PD20xx PTZ dome series
WM17	Corner mount, for PD20xx PTZ dome series
WM17B	Corner mount with junction box, for PD20xx PTZ dome series
CM11	Ceiling mount, for PD20xx-series PTZ cameras
CM15	Ceiling mount, for PD20xx-series PTZ cameras, 25 cm
WM16	Gooseneck mount, for PD20xx PTZ dome series





Unit:mm(inch)

RELATED



TKH Security WM12
Wall mount, for PD20xx PTZ dome series



TKH Security WM12B
Wall mount with junction box, for PD20xx PTZ dome series



TKH Security PM07
Pole mount, for PD20xx PTZ dome series



TKH Security PM07B
Pole mount with junction box, for PD20xx PTZ dome series



TKH Security WM17
Corner mount, for PD20xx PTZ dome series



TKH Security WM17B
Corner mount with junction box, for PD20xx PTZ dome series



TKH Security CM11
Ceiling mount, for PD20xx-series PTZ cameras



TKH Security CM15
Ceiling mount, for PD20xx-series PTZ cameras, 25cm



TKH Security WM16
Gooseneck mount, for PD20xx PTZ dome series