DH-TPZ6AL241-HNI

2MP 40x Laser PTZ Network Camera

- 1/2.8” 2Megapixel CMOS
- Powerful 40x optical zoom
- Max. 30fps@1080P, 60fps@720P
- Auto tracking and IVS
- Support Hi-PoE
- IR distance up to 500m
- IP67

System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, this series provides an all-in-one solution for capturing long distance video surveillance for outdoor applications with laser and 40x optical zoom. The series combines a day/night mechanical IR cut filter for the highest image quality for variable lighting conditions during the day for applications with direct sunlight or glare.

Functions

Environmental
With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection
Supporting ±25% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

Interoperability
The camera conforms to the ONVIF (Open Network Video Interface Forum) and PSIA (Physical Security Interoperability Alliance) specifications, ensuring interoperability between network video products regardless of manufacturer.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	512M/32M
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/300,000s
Minimum Illumination	Color: 0.05Lux@F1.6; 0Lux@F1.6 (IR on)
S/N Ratio	More than 56dB
IR Distance	Distance up to 500m (1640ft)
IR On/Off Control	Auto/Manual
IR LEDs	Laser module

Lens

Focal Length	7.9mm~316mm
Max. Aperture	F1.6~ F6.1
Angle of View	H: 41.5° ~ 1.1°
Optical Zoom	40x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance

*Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Detect	Observe	Recognize	Identify
3571m(11716ft)	1429m(4688ft)	714m(2343ft)	257m(843ft)

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -20° ~ 90°,auto flip 180°
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s
Preset Speed	Pan: 240° /s; Tilt: 200° /s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Protocol	DH-SD, Pelco-P/D (Auto recognition)

Intelligence

Auto Tracking	Support
IVS	Tripwire, Intrusion,Abandoned/Missing, Face Detection

Video

Compression		H.264 / MJPEG
Streaming Capability		3 Streams
Resolution		1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main stream	1080P(1~25/30fps), 720P(1~50/60fps)
	Sub stream1	D1/CIF(1 ~ 25/30fps)
	Sub stream2	1080P/720P/D1/CIF (1 ~ 25/30fps)
Bit Rate Control		CBR/VBR
Bit Rate		H.264: 448K~8192Kbps, MJPEG: 4096K~20480Kbps
Day/Night		Auto(ICR) / Color / B/W
Backlight Compensation		BLC / HLC / DWDR
White Balance		Auto,ATW,Indoor,Outdoor,Manual
Gain Control		Auto / Manual
Noise Reduction		Ultra DNR (2D/3D)
Motion Detetion		Support
Region of Interest		Support
Electronic Image Stabilization (EIS)		Support
Defog		Support
Digital Zoom		16x
Flip		180°
Privacy Masking		Up to 24 areas

Audio

Compression	G.711a/G.711mu/G.726/AAC

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP, UDP,UPnP, ICMP,IGMP,SNMP,RTSP,RTP, SMTP, NTP,DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	20 users
Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS
Smart Phone	IOS, Android

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1

Interface	
Video Interface	1
Audio Interface	1/1
RS485	1
Alarm	7/2
Electrical	
Power Supply	AC24V/3A(±25%), Hi-PoE
Power Consumption	24W, 38W (IR on)
Environmental	
Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH
Ingress Protection	IP67
Vandal Resistance	N/A
Construction	
Casing	Metal
Dimensions	Φ240(mm) x 357(mm)
Net Weight	6.75kg(14.88lb)
Gross Weight	10.5kg(23.15lb)

Ordering Information

Type	Part Number	Description
2MP PTZ Camera	DH-TPZ6AL241-HNI	2MP 40x Laser PTZ Network Camera, PAL
	DH-TPZ6AL241N-HNI	2MP 40x Laser PTZ Network Camera, NTSC
	TPZ6AL241-HNI	2MP 40x Laser PTZ Network Camera, PAL
	TPZ6AL241N-HNI	2MP 40x Laser PTZ Network Camera, NTSC
Accessories	PFB303W	Wall Mount
	PFA111	Mount Adapter
	AC24V/3A	Power Supply
	PFA140	Power box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet mount

Accessories

Included:

PFB303W
Wall Mount

PFA111
Mount Adapter

AC24V/3A
Power Supply

Optional:

PFA140
Power box

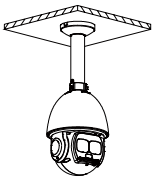
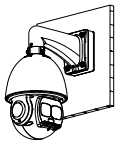
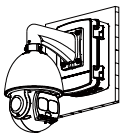
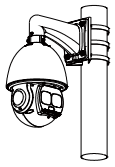
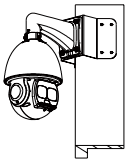
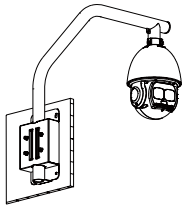
PFB300C
Ceiling Mount

PFA120
Junction Box

PFA150
Pole Mount

PFA151
Corner Mount

PFB303S
Parapet Mount

Ceiling Mount	Junction Mount
PFA111 + PFB300C	PFA111 + PFB303W + PFA120
	
Power Box Mount	**Pole Mount**
PFA111 + PFB303W + PFA140	PFA111 + PFB303W + PFA150
	
Corner Mount	**Parapet Mount**
PFA111 + PFB303W + PFA151	PFA111+ PFB303S
	

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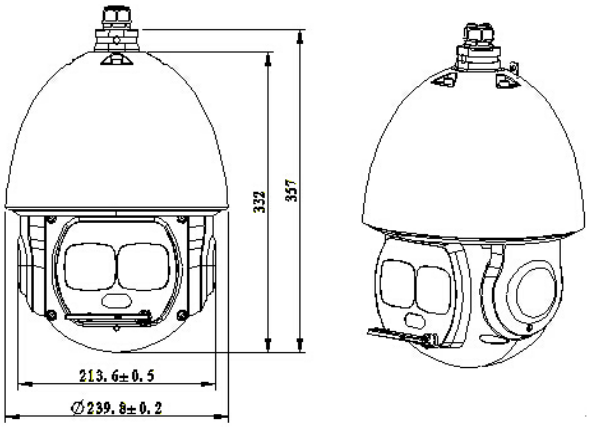
Dimensions (mm)



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