

# 2MP PTZ DOME CAMERA



## ENC-HHP5Z-150R-92

### FEATURES

- 33X Optical Zoom
- 16X Digital Zoom
- Smart IR up to 150m (Upgradable to 200m)
- ONVIF Profile (S, G, T, M)
- Triple Stream
- Audio and Alarm Support
- PoE+, IP67



### SPECIFICATION

MODEL		Model No.	ENC-HHP5Z-150R-92
CAMERA		Type	2MP PTZ DOME CAMERA
		Image Sensor	1/2.8" CMOS Progressive 2.0 MegaPixel
		Day / Night	IR Cut Filter with Auto Switch
		Lens Type	Motorized Zoom Lens
		Focal Length	4.5 ~ 148.5 mm (Optional 4.3 ~ 141.9 mm)
		Focus	Auto / Semi Auto / Manual
		Iris Type	P-Iris, Auto
		Angle of View (H)	64.4° ~ 2.1° (Optional 60.0° ~ 2.3°)
		Angle of View (V)	41.8° ~ 1.4° (Optional 34.4° ~ 1.5°)
		Angle of View (D)	76.5° ~ 2.5° (Optional 69.1° ~ 2.7°)
		Aperture	F1.5 ~ F4.3
		Optical Zoom	33X
		Digital Zoom	16X
		Zoom Speed	<5s
		Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
Min. Illumination	Color: 0.001 lux @ F1.5, B/W: 0 lux with IR		
AGC	Auto / Manual		
Digital Noise Reduction	3D DNR		
S/N Ratio	≥60 dB		
Defog	Smart Defog		
WDR	120 dB		
Smart IR	Up to 150m (Upgradable to 200m)		
IR LEDs	10		
Wavelength	850 nm		

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	Type	2MP PTZ DOME CAMERA
DORI	Lens	4.5 ~ 148.5 mm (Optional 4.3 ~ 141.9 mm)
	Detection	68.2 ~ 2199.5 m (Optional 65.2 ~ 2095.1 m)
	Observation	26.7 ~ 886.9 m (Optional 25.6 ~ 844 m)
	Recognition	12.6 ~ 439.8 m (Optional 11.9 ~ 418.7 m)
	Identification	5.3 ~ 220.0 m (Optional 4.8 ~ 206.6 m)
VIDEO	Max. Resolution	1920x1080
	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: (1920x1080, 1280x960, 1280x720, 704x480, 640x480) @ 30fps, (1920x1080, 1280x960, 1280x720, 704x576, 640x480) @ 25fps Sub Stream: (704x480, 704x240, 640x360, 352x240) @ 30fps, (704x576, 704x288, 640x360, 352x288) @ 25fps Third Stream: (1920x1080, 1280x960, 1280x720, 704x480, 704x240, 640x480, 352x240) @ 30fps, (1920x1080, 1280x960, 1280x720, 704x576, 704x288, 640x480, 352x288) @ 25fps
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate, SVC
	EIS	Supported
	Video Bit Rate	32 kbps ~ 16 Mbps
	Bitrate Type	CBR, VBR
	Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Rotation/Mirror, Gain, Exposure, Day & Night (Automatic, Color, Mono)
	White Balance	Auto, Semi Auto, Sunshine, Daylight, Warm Light, Filament, Nature Light, Lock WB, Manual
	HLC	Supported
	BLC	Supported
	OSD	Up to 5 regions
	OSD Type	Title, Week, Date, Time, Text with Different Colors and Adaptable Sizes (16x16, 24x24, 32x32, 48x48, 64x64), Image Overlay
	ROI	Up to 7 regions
	Privacy Mask	Up to 24 regions
Heatmap	Supported	
AUDIO	Audio Compression	G.711A, G.711U, ADPCM_D, AAC_LC
	Audio Bit Rate	8 kbps, 32 kbps, 48 kbps
	Audio I/O	1/1
	Audio Voltage	Audio input, level 2.0~2.4V, Input Impedance 1 Kohms; Audio Output Impedance 600 ohms
SMART	Behavior Detection	Intrusion (Perimeter), Crossline (Tripwire), Double crossline ( Double Tripwire)
	Intelligent Identification	Loitering, Abandoned object (Object Left), Missing Object(Object Lost)
	Statistical Analysis	Face Capture, People Counting, Crowd Detection, On Duty Detection, Helmet Detection, Abnormal Video & Audio Detection, Parking, Running
	Alarm Management	Motion Detection, Tampering (Masking), Input & Output Event, Network Alarm, Disk Alarm, Pre/Post Alarm Recording, Alarm Recording/Snapshot, FTP Server Exception
	Alarm Notification	E-mail (Notification and Snapshot), HTTP (Alarm Icon ), FTP (Snapshot and Recording), SD Card (Recording)
	Auto Tracking	Supported
INTERFACE	Protocols	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, SFTP, NFS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, RTMP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS(DSCP), ARP, 802.1x, Unicast, Multicast, SNMP (V1,V2,V3), SSL, P2P, SMB/CIFS
	Security	AES 128 Video Encryption, IP Filter, User Authentication (multiple privilege level), 802.1X Authentication (EAP-MD5), Digest Authentication, HTTPS Encryption, User Access Log
	Compatibility	ONVIF Profile (S, G, T, M), SDK/API/CGI
	Network	1 x RJ45 10M/100M Self Adaptive Ethernet Port
	Alarm I/O	1/1
	Alarm Voltage	Input (switch type), Output (≤24V DC, Current ≤1A)
	Edge Storage	Micro SD Card Slot, Up to 512 GB
	ANR	Supported
	Built-in Heater	Supported (Optional)
	Built-in Fan	Supported
	Cable Interface	Pig Tail
Remote Connection	≤7	
Max. User	32	
Web Language	15	
Client Application	EyeConnect	

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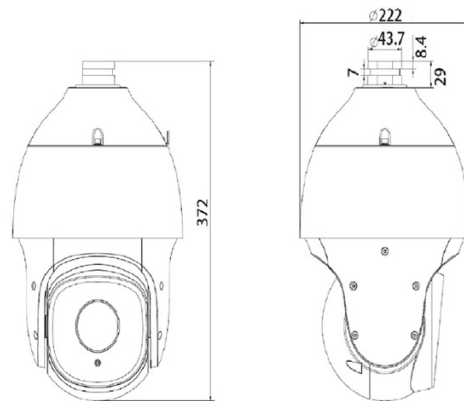
# 2MP PTZ DOME CAMERA



## ENC-HHP5Z-150R-92

MODEL	Model No.	ENC-HHP5Z-150R-92
	Type	2MP PTZ DOME CAMERA
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.1°/s ~ 240°/s, Pan Preset Speed: 300°/s
	Tilt Range	-16° ~ 90° (Auto flip)
	Tilt Speed	Tilt Manual Speed: 0.1°/s ~ 180°/s, Tilt Preset Speed: 240°/s
	Preset Accuracy	±0.4°
	Number of Preset	500
	3D Position	Supported
	Power off Recovery	Supported
	PTZ Mode	8 Scan, 16 Tour (32 presets per tour)
	Pattern	8 (each with 600s memory or 1000 orders)
GENERAL	Power Supply	12V DC, PoE+(IEEE 802.3at)
	Max. Power Consumption	≤24 W (IR ON), ≤14 W (IR OFF)
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤95% RH (non-condensing)
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Extra corrosion resistance coating	Supported (Optional)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	Φ222×372 mm
	Net Weight	5.3 kg

Dimension Unit : mm



### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens, 150 m IR and Heater)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens and 150 m IR)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens, 150 m IR, Heater and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens, 150 m IR and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1

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# 2MP PTZ DOME CAMERA



## ENC-HHP5Z-150R-92

ENC-HHP5Z-150R-92 (With 4.3 ~ 141.9 mm Lens, 150 m IR and Heater)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.3 ~ 141.9 mm Lens and 150 m IR)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.3 ~ 141.9 mm Lens, 150 m IR, Heater and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.3 ~ 141.9 mm Lens, 150 m IR and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, MicroSD Card Slot, Smart Analytics, WDR and 150 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens, 200 m IR and Heater)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, SD Card Slot, Smart Analytics, WDR and 200 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens and 200 m IR )	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, SD Card Slot, Smart Analytics, WDR and 200 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens and 200 m IR )	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, SD Card Slot, Smart Analytics, WDR and 200 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens, 200 m IR, Heater and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, SD Card Slot, Smart Analytics, WDR and 200 m IR Support	1
ENC-HHP5Z-150R-92 (With 4.5 ~ 148.5 mm Lens, 200 m IR and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, SD Card Slot, Smart Analytics, WDR and 200 m IR Support	1
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ENC-HHP5Z-150R-92 (With 4.3 ~ 141.9 mm Lens, 200 m IR and Extra Corrosion Resistance Coating)	2MP Starlight IR IP H.265 PTZ Dome Camera with 33X Optical Zoom, PoE+, SD Card Slot, Smart Analytics, WDR and 200 m IR Support	1
ENB-BTPW66	Wall Mount Bracket for Norden PTZ Camera (Included in Device Package)	1
ENB-BTPH66	Outer Corner Bracket for Norden PTZ Camera	1
ENB-BTPV66	Pole Mount Bracket for Norden PTZ Camera	1
ENB-BTPP66	Pendant Mount Bracket for Norden PTZ Camera	1

### PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP5Z-150R-92	Carton Box	8.0	310×310×500

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