

6MP MULTI SENSOR PANORAMIC PTZ CAMERA



ENC-HHP9D-150R-96

FEATURES

- 6MP (3MP*2) Multi Sensor Panoramic Camera
- 4MP High Speed PTZ Dome Camera
- 25x Optical Zoom
- 16x Digital Zoom
- Smart IR Up to 150 m
- ONVIF Profile (S, G, T, M)
- Built-in Speaker
- IP67



SPECIFICATION

MODEL	Model No.	ENC-HHP9D-150R-96
PANORAMIC CAMERA	Type	6MP MULTI SENSOR PANORAMIC PTZ CAMERA
	Image Sensor	1/2.8" CMOS Progressive 6.0 MegaPixel (2*3MP)
	Day / Night	IR Cut Filter with Auto Switch
	Lens Type	Fixed
	Focal Length	2.8 mm
	Focus	Fixed
	Iris	Fixed Iris
	Angle of View (H)	190°
	Angle of View (V)	75°
	Angle of View (D)	204°
	Aperture	F1.0
	Electronic Shutter	1s ~ 1/100,000s, Auto / Manual
	Digital Noise Reduction	3DNR
	Min. Illumination	Color: 0.0001 lux@ F1.0, BW: 0 lux with IR
	AGC	Auto / Manual
	S/N Ratio	≥42 dB
WDR	DWDR	
Defog	Digital Defog	
White Light Distance	Up to 30 m	
White LEDs	3	

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6MP MULTI SENSOR PANORAMIC PTZ CAMERA



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MODEL	Model No.	ENC-HHP9D-150R-96
	Type	6MP MULTI SENSOR PANORAMIC PTZ CAMERA
PTZ CAMERA	Image sensor	1/2.7" CMOS Sensor 4.0 MegaPixel
	Day/Night	IR Cut Filter with Auto Switch
	Lens Type	Motorized Zoom Lens
	Focus	Auto, Semi Auto, Manual
	Iris	Auto Iris
	Focal Length	4.8 ~ 120 mm
	Angle of View (H)	58.0° ~ 2.8°
	Angle of View (V)	33.9° ~ 1.2°
	Angle of View (D)	64.8° ~ 3.3°
	Aperture	F1.6 ~ F3.6
	Optical zoom	25x
	Digital Zoom	16x
	Zoom Speed	<5s
	Electronic Shutter	1s ~ 1/100,000s, Auto/Manual
	Min. Illumination	Color: 0.001 lux @ F1.6, B/W: 0 Lux with IR on
	Digital Noise Reduction	3D DNR
	S/N Ratio	≥60 dB
	Defog	Smart Defog
WDR	120 dB	
Smart IR	Up to 150 m	
IR LEDs	10	
Illumination Distance	Up to 30 m	
White LEDs	4	
Wavelength	850nm	
DORI	Lens	Panorama: 2.8 mm PTZ: 4.8 ~ 120.0 mm
	Detection	Panorama: 45.2 m PTZ: 110.0 ~ 2220.0 m
	Observation	Panorama: 18.0 m PTZ: 43.6 ~ 880.9 m
	Recognition	Panorama: 9.1 m PTZ: 22.0 ~ 444.0 m
	Identification	Panorama: 4.5 m PTZ: 11.0 ~ 222.0 m
VIDEO	Max. Resolution	Panorama: 3840×1568 PTZ: 2560×1440
	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: Panorama: (3840×1568,3632×1480) @ 25/30fps PTZ: (2560×1440,2304×1296,1920×1080,1280×720)@25/30fps Sub Stream: Panorama: (1200×488,960×392)@25/30fps PTZ: (704×480,704×240,352×240,640×360)@30fps, (704×576,704×288,352×288,640×360)@25fps Third Stream: PTZ: (704X480,704X240,352X240,640x480)@30fps, (704x576,704x288,352x288,640x480)@25fps
	EIS	Supported
	Video Bit Rate	32 kbps ~ 16 Mbps
	Bitrate Type	CBR, VBR
	Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Flip/Mirror/Rotation, Gain, Exposure, Day/Night
	White Balance	Auto, Semi Auto, Sunshine, Daylight, Warm Light, Filament, Nature Light, Lock WB, Manual
	HLC	Supported
	BLC	Supported
	OSD	Panorama: Up to 5 regions (Maximum of 127 Characters) PTZ: Up to 5 regions (Maximum of 64 Characters)
	OSD Type	Panorama: Title, Week, Date, Time, Text with different colors and adaptable sizes (16x16, 32x32, 48x48, 64x64, 96x96) Image Overlay PTZ: Title, Week, Date, Time, Text with different colors and adaptable sizes (16x16, 32x32, 48x48, 64x64, 96x96), Image Overlay
	ROI	Panorama: Up to 8 regions PTZ: Up to 7 regions
	Privacy Mask	Panorama: Up to 8 regions PTZ: Up to 24 regions

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MODEL	Model No.	ENC-HHP9D-150R-96
	Type	6MP MULTI SENSOR PANORAMIC PTZ CAMERA
AUDIO	Audio Compression	G.711A, G.711U, ADPCM_D, AAC_LC
	Audio Bit Rate	8 kbps , 32kbps, 48kbps
	Audio I/O	1/1
	Audio Voltage	Audio input, level 2.0~2.4Vp-p, Input Impedance 1 Kohms; Audio output Impedance 600 ohms
	Built-in Speaker	Supported
SMART	Behavior Detection	Panorama: Crossline (Tripwire), Double Crossline (Double Tripwire) PTZ: Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	PTZ: Loitering, Running, Abandoned Object (Object Left), Missing Object (Object Lost), Parking
	Statistical Analysis	Panorama: Human & Vehicle Classification, Heatmap, Abnormal Video & Audio Detection PTZ: Face Detection (Capture), People Counting, Human & Vehicle Classification, Crowd Detection, On Duty Detection, Abnormal Video & Audio Detection, Helmet Detection.
	Alarm Management	Motion Detection, Tampering (Masking), Input & Output Event, IP & MAC Address Conflict, Disk Alarm (Full & RW Error), FTP Server Exception, Abnormal Voltage, Pre/Post Alarm Recording, Alarm Recording/Snapshot
	Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
	Auto Tracking	Supported
	Early Warning	Supported
INTERFACE	Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTCP, RTSP, RTMP, PPPoE, NTP, UPnP, ICMP, IGMP, SMTP(SSL/TLS), 802.1x, Multicast, Unicast, P2P, QoS, SNMP, SFTP
	Security	AES 128 Encryption, IP Filter, User authentication (multiple privilege level), 802.1X authentication (EAP-MD5), Digest authentication, User Access Log
	Compatibility	ONVIF (Profile S, T, G, M), SDK, CGI
	Network	1 x RJ45 10M/100M Self Adaptive Ethernet Port
	BNC	Supported
	Edge Storage	Micro SD card slot, up to 512 GB
	ANR	Supported
	Alarm I/O	2/1
	Alarm Voltage	Input (switch type) , Output ($\leq 24V$ DC, Current $\leq 1A$)
	Heater	Supported
	Cable Interface	Pig Tail
	Remote Connection	≤ 7
	Max. User	32
	Client Application	EyeConnect
PAN AND TILT	Pan Range	0°~360° (Endless)
	Pan Speed	Pan Manual Speed: 0.1°~200°/s, Pan Preset Speed: 240°/s
	Tilt Range	-16° ~ +90° (-3° Default)
	Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 180°/s
	Number of Presets	500
	Preset Accuracy	$\pm 0.1^\circ$
	PTZ Mode	8 Scan, 12 Tour (up to 32 Presets per Tour)
	Pattern	8, each with 600s memory
	Power off Memory	Supported
	Power Supply	24V AC/24V DC, PoE++ (IEEE 802.3bt)
GENERAL	Max. Power Consumption	$\leq 55W$ (IR ON), $\leq 24W$ (IR OFF)
	Working Temperature	-40°C ~ 70°C
	Working Humidity	$\leq 95\%$ RH (non-condensing)
	Casing	Metal & Plastic
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	$\phi 298 \times 375$ mm
	Net Weight	5.3 Kg

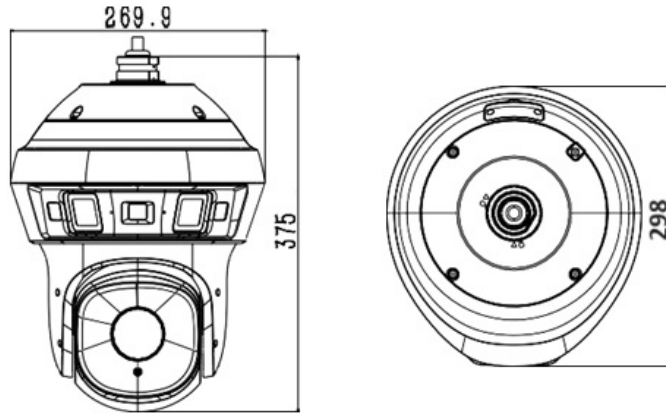
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Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHP9D-150R-96	6MP (3MP*2) IR IP H.265 High-Speed Multi-Sensor Panoramic Camera with 4MP PTZ Dome Camera, 25x Optical Zoom, SD Card Slot, WDR, Smart Analytics, Built-in Speaker, Early Warning, and 150m IR Support.	1
ENB-BTPW66	Wall Mount Bracket for Norden PTZ Camera (Included in Device Package)	1
ENB-BTPV66	Pole Mount Bracket for Norden PTZ Camera	1
ENB-BTPH66	Outer Corner Bracket for Norden PTZ Camera	1
ENB-BTPJ66	Junction Box for Norden PTZ Camera	1

PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHP9D-150R-96	Carton Box	9.4	385x350x540