

8MP STARLIGHT PTZ DOME CAMERA



ENC-HHPAZ-200R-20

FEATURES

Starlight Illumination
32X Optical Zoom
8X Digital Zoom
Smart IR Up to 200 m
ONVIF (Profile S, G, T)
Quad stream
Audio & Alarm Support
PoE++, IK10, IP67



SPECIFICATION

MODEL	Model No.	ENC-HHPAZ-200R-20
	Type	8MP STARLIGHT PTZ DOME CAMERA
CAMERA	Image Sensor	1/2.8", CMOS Progressive 8.0 MegaPixel
	Day/Night	IR Cut Filter with Auto Switch
	Lens Type	Motorized Zoom Lens
	Focus	Auto/ Semi Auto/ Manual
	Iris	DC-IRIS
	Focal Length	4.3 ~ 137 mm (Optional 4.8 ~ 154 mm)
	Angle of View (H)	60.7° ~ 2.2° (Optional 61.3° ~ 2.9°)
	Angle of View (V)	35.7° ~ 1.2° (Optional 36.9° ~ 1.2°)
	Angle of View (D)	70.4° ~ 2.5° (Optional 68.4° ~ 2.5°)
	Aperture Range	F1.3 ~ F4.8
	Optical Zoom	32X
	Digital Zoom	8X
	Zoom Speed	≤4.6s
	Electronic Shutter	1s ~ 1/30,000s
	Min. Illumination	Color: 0.001 lux @ F1.3, B/W: 0.0001 lux, 0 lux with IR on
AGC	Auto/Manual	
Digital Noise Reduction	3D DNR, Auto / Manual	
S/N Ratio	≥52dB	
Defog	Supported	
WDR	120dB	
Smart IR	Up to 200 m	

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DORI	Lens	4.3 ~ 137 mm (Optional 4.8 ~ 154 mm)
	Detection	80.0 ~ 2400.0 m (Optional 143.4 ~ 4093.8 m)
	Observation	32.0 ~ 960.0 m (Optional 56.9 ~ 1624.5 m)
	Recognition	16.0 ~ 480.0 m (Optional 28.7 ~ 818.8 m)
	Identification	8.0 ~ 240.0 m (Optional 14.3 ~ 409.4 m)
VIDEO	Max.Resolution	3840x2160
	Video Compression	Enhanced (H.265 H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: (3840x2160, 2560x1440, 1920x1080, 1280x960, 1280x720) @25/30fps Sub Stream: (704x576, 640x480, 352x288) @30fps (704x480, 640x480, 352x240) @25fps Third Stream: (1920x1080, 1280x960, 1280x720, 704x480, 640x480, 352x240) @30fps (1920x1080, 1280x960, 1280x720, 704x576, 640x480, 352x288) @25fps Fourth Stream: (1920x1080, 1280x960, 1280x720, 704x480, 640x480, 352x240) @30fps (1920x1080, 1280x960, 1280x720, 704x576, 640x480, 352x288) @25fps (Optional)
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Bitrate Type	CBR, VBR
	Video Bit Rate	64 kbps ~ 16 Mbps
	Image Settings	Brightness, Contrast, Saturation, Sharpness, Flip/Mirror, Gain and White Balance
	White Balance	Auto, Manual, Indoor, Outdoor
	HLC	Supported
	BLC	Supported
	OSD	Up to 8 regions
	OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes (128x128), Image Overlay
	Privacy Mask	Up to 4 regions
AUDIO	Audio Compression	G.711U, G.711A
	Audio Bit rate	64 kbps
	Audio I/O	1/1
	Audio Voltage	Audio input, level 2~2.4V, input impedance 1000 ohms; Audio output impedance 600 ohms
SMART	Behavior Detection	Intrusion (Perimeter), Crossline(Tripwire), Double Crossline(Double Tripwire)
	Intelligent Identification	Region Entry / Exit Detection
	Statistical Analysis	Face Detection (Capturing), Human & Vehicle Detection
	Alarm Management	Motion Detection, Masking (Tampering)Input & Output Event, IP & MAC Address Conflict, Disk Alarm (Full & R/W Error), FTP Server Exception, Abnormal Voltage, Pre/Post Alarm Recording, Alarm Recording/Snapshot
	Alarm Notification	Alarm Notifications 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, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTCP, RTMP, RTSP, PPPoE, NTP, UPnP, SMTP, 802.1x, QoS, SNMP, P2P
	Security	AES Video Encryption, User Authentication (Multiple Privilege Level), HTTPS Encryption, IP address Filtering, 802.1X Authentication, MAC Address
	Compatibility	ONVIF Profile (S, G, T), SDK, API
	Network	1 x RJ45 10M/100M self adaptive Ethernet port
	Alarm I/O	1/1
	Edge Storage	SD Card Slot up to 256GB
	ANR	Supported
	Heater	Supported
	Fan	Supported
	Cable Interface	Pig tail
Max. User	16	

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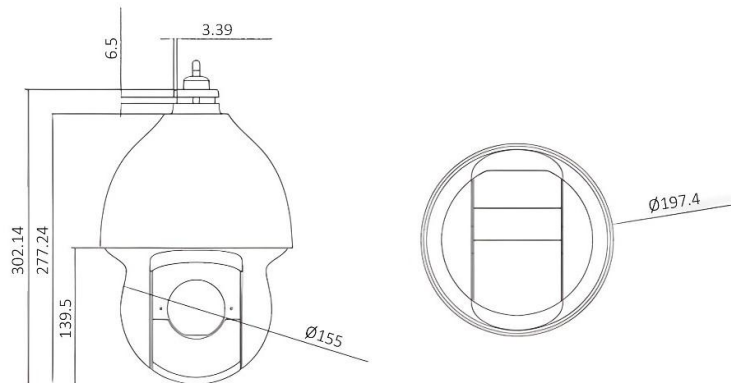
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MODEL		ENC-HHPAZ-200R-20
Type		8MP STARLIGHT PTZ DOME CAMERA
PAN AND TILT	Pan Range	0° ~ 360° (Endless)
	Pan Speed	Pan Manual Speed: 0.1°~ 360°/s, Pan Preset Speed: 330°/s
	Tilt Range	-25° ~ +155° (Auto Flip at 90°)
	Tilt Speed	Tilt Manual Speed: 0.1°~ 210°/s, Tilt Preset Speed: 180°/s
	Preset Accuracy	±5°
	Number of preset	360
	Power off Recovery	Supported
	3D Position	Supported
	PTZ Mode	4 Track, 8 Cruise, (up to 16 Presets for each cruise)
	Scan	Auto Scan, Random Scan, Boundary Scan
GENERAL	Power Supply	24V DC, PoE++ (IEEE 802.3.bt)
	Max. Power Consumption	≤29W
	Working Temperature	-40C ~ 70°C
	Working Humidity	≤95%RH
	Ingress Protection	IP67
	Vandal Resistant	IK10
	Surge Protection	TVS6000V
	Reset Button	Supported
	Dimensions	Φ197mm x 302 mm
	Net Weight	2.82 kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HHPAZ-200R-20	8MP Starlight IR IP H.265 High Speed PTZ Dome Camera with 32X Optical Zoom, PoE++, Micro SD Card Slot, WDR, Smart Analytics and 200m IR Support	1
ENB-BVPW66	Wall Mount Bracket for Norden PTZ Camera (Included in Device Package)	1
ENB-BVPP66	Pendant Bracket for Norden PTZ Camera	1
ENB-BVPH66	Corner Mount Bracket for Norden PTZ Camera	1
ENB-BVPV66	Pole Mount Bracket for Norden PTZ Camera	1

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PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HHPAZ-200R-20	Carton Box	-	-