

# 2MP EXPLOSION PROOF BULLET CAMERA



## ENC-HBU5M-200R-24

### FEATURES

Starlight Illumination
316L Stainless Steel Construction
2.7~13.5 mm (Optional 5 ~ 50 mm) Motorized Lens
Smart IR up to 200 m
ONVIF Profile (S, G, T,M)
Wiper Support
ATEX/ IECEx/ CCoE (PESO) Certified
Applicable for GAS Zone 1, Zone 2, Class IIA, IIB, IIC
Applicable for Temperature Classes T1-T6
Applicable for Dust Zone 21, 22
IP68, PoE++



### SPECIFICATION

MODEL	Model No.	ENC-HBU5M-200R-24
	Type	2MP EXPLOSION PROOF BULLET CAMERA
CAMERA	Image Sensor	1/2.8" CMOS Progressive 2.0 MegaPixel
	Day / Night	IR Cut Filter with Auto Switch
	Lens Type	Motorized
	Focal Length	2.7~13.5 mm (Optional 5 ~ 50 mm)
	Focus	Auto / Manual
	Iris	DC Auto Iris
	Lens Mount	Φ14
	Angle of View (H)	102.8° ~ 31.3° (Optional 55.6° ~ 6.0°)
	Angle of View (V)	57.3° ~ 17.6° (Optional 32.7° ~ 3.5°)
	Angle of View (D)	117.6° ~ 35.9° (Optional 64.5° ~ 6.9°)
	Angle Adjustment	Bracket; Pan: 0~360°, Tilt: 0~75°
	Aperture Range	F1.6 ~ F3.3
	Digital Zoom	16x
	Electronic Shutter	1s ~ 1/100,000s, Auto / Manual
	Min. Illumination	Color: 0.001 lux @ F1.6, 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 200 m	
Wavelength	850 nm	

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	Type	2MP EXPLOSION PROOF BULLET CAMERA
DORI	Lens	2.7 ~ 13.5 mm (Optional 5 ~ 50 mm)
	Detection	38.5 ~ 165.5 m (Optional 75.2 ~ 733.0 m)
	Observation	15.0 ~ 65.5 m (Optional 30.0 ~ 295.3 m)
	Recognition	7.5 ~ 33.0 m (Optional 14.1 ~ 146.4 m)
	Identification	3.5 ~ 16.5m (Optional 6.2 ~ 73.2 m)
VIDEO	Max. Resolution	1920x1080
	Video Compression	Enhanced (H.265,H.264), H.265, H.264, MJPEG
	Frame Rate	(2.7 ~ 13.5 mm) Main Stream: (1920x1080, 1280x720, 704x480, 640x480) @ 30fps,(1920x1080, 1280x720, 704x576, 640x480) @ 25fps, Sub Stream: (704x480, 704x240, 640x360, 352x240) @ 30fps, (704x576, 704x288, 640x360, 352x288) @ 25fps Third Stream: (704x480, 704x240, 352x240) @ 30fps, (704x576, 704x288, 352x288) @ 25fps  (Optional 5 ~ 50 mm) Main Stream: (1920x1080, 1280x720, 704x576) @ 50/60fps Sub Stream: (704x576, 640x480, 640x360, 352x288, 320x240) @ 25/30fps Third Stream: (640x480, 352x288, 320x240,) @ 25/30fps Fourth Stream: (640x480, 352x288, 320x240) @ 25/30fps (Optional)
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	EIS	Supported
	Video Bit Rate	32 kbps ~ 8 Mbps
	Bitrate Type	CBR, VBR
	Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Rotation/Mirror, Gain, Exposure, Day/Night
	White Balance	Auto, Semi Auto, Sunshine, Daylight, Warm Light, Filament, Nature Light, Lock WB, Manual
	Corridor Mode	Supported
	HLC	Supported
	BLC	Supported
	OSD	Up to 8 regions
	OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes (16x16, 32x32, 48x48, 64x64), Image overlay
	ROI	Up to 8 regions
	Privacy Mask	Up to 8 regions
	Heatmap	Supported
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 5V, input impedance 1500 ohms Audio output, level 3V, output impedance 100 ohms
SMART	Behavior Detection	Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Loitering, Running, Abandoned Object (Object Left), Missing Object (Object Lost), Parking
	Statistical Analysis	Face Detection (Capture), People Counting, Crowd Detection, On Duty Detection, Helmet Detection, Human & Vehicle Classification, Abnormal Video & Audio 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)

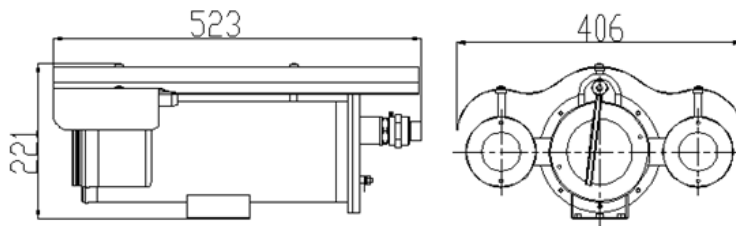
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## ENC-HBU5M-200R-24

MODEL	Model No.	ENC-HBU5M-200R-24
	Type	2MP EXPLOSION PROOF BULLET CAMERA
INTERFACE	Protocols	TCP/IP, UDP, IPv4 ,IPv6, ICMP, HTTP, HTTPS, FTP, NFS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, RTMP, PPPoE, NTP, UPnP, SMTP (SSL/TLS), IGMP, 802.1X, QoS (DSCP), Unicast, Multicast, ARP, SNMP, SSL, SFTP, P2P
	Security	AES 128 Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), 802.1X Authentication (EAP-MD5), HTTPS Authentication, Digest Authentication, 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	2/1 (Customizable)
	Alarm Voltage	Input (switch type) , Output (3.3V-12V, 10 ohm)
	Serial Interface	1 x RS485
	Edge Storage	Micro SD Card Slot, up to 512 GB
	ANR	Supported
	Built-in Heater	Supported
	Wiper	Supported
	Cable Interface	Pig Tail
	Remote Connection	≤7
Web Language	16	
GENERAL	Power Supply	110V ~ 240V AC, PoE++ (IEEE 802.3bt), (Optional 24V DC, 48V DC, 24V AC)
	Max. Power Consumption	≤30W (with thermostat)
	Working Temperature	-40 °C ~ +70 °C
	Working Humidity	≤95% RH (non-condensing)
	Atmospheric Pressure	80 kPa ~ 106 kPa
	Window Glass	Strong Tempered Glass
	Sun Shade	Supported
	Surge Protection	TVS6000V
	Ingress Protection	IP68
	Reset Button	Supported
	Dimensions	523x406x221 mm
Net Weight	17.5 kg	

Dimension Unit : mm



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## ENC-HBU5M-200R-24

### ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HBU5M-200R-24 (With 2.7 to 13.5mm Motorized Lens 110V ~ 240V AC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 2.7 to 13.5 mm Motorized Lens, SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 2.7 to 13.5mm Motorized Lens 24V DC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 2.7 to 13.5 mm Motorized Lens,SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 2.7 to 13.5mm Motorized Lens 48V DC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 2.7 to 13.5 mm Motorized Lens,SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 2.7 to 13.5mm Motorized Lens 24V AC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 2.7 to 13.5 mm Motorized Lens, SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 5 to 50 mm Motorized Lens 110V ~ 240V AC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 5 to 50 mm Motorized Lens, SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 5 to 50 mm Motorized Lens 24V DC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 5 to 50 mm Motorized Lens, SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 5 to 50 mm Motorized Lens 48V DC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 5 to 50 mm Motorized Lens, SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENC-HBU5M-200R-24 (With 5 to 50 mm Motorized Lens 24V AC)	2MP SS316L Explosion Proof IR IP H.265 Bullet Camera with 5 to 50 mm Motorized Lens, SD Card Slot, WDR, Smart Analytics, Wiper and 200m IR Support	1
ENB-BZUW68	Wall Mount Bracket for Norden Explosion Proof Bullet Camera	1
ENB-BZUH68	Corner Mount Bracket for Norden Explosion Proof Bullet Camera	1
ENB-BZUV68	Pole Mount Bracket for Norden Explosion Proof Bullet Camera	1
ENA-EXH010	1 Meter Explosion Proof Hose for Norden Explosion Proof Camera	1
ENA-EXH015	1.5 Meter Explosion Proof Hose for Norden Explosion Proof Camera	1
ENA-EXH020	2 Meter Explosion Proof Hose for Norden Explosion Proof Camera	1

### PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HBU5M-200R-24	Carton Box	-	-

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