

2MP EXPLOSION PROOF CAMERA FOR MINING



ENC-HBU5M-80R-47

FEATURES

Starlight Illumination
304 / 316L Stainless Steel Construction
2.7~13.5 mm Motorized Lens
Smart IR up to 80 m
ONVIF Profile (S, G, T, M)
Triple Stream
Audio and Alarm Support
IP68, PoE+



SPECIFICATION

MODEL	Model No.	ENC-HBU5M-80R-47
	Type	2MP EXPLOSION PROOF CAMERA FOR MINING
CAMERA	Image Sensor	1/2.8" CMOS Progressive 2.0 MegaPixel
	Day / Night	IR Cut Filter with Auto Switch
	Lens Type	Motorized
	Focus	Auto / Manual
	Lens Mount	Φ14
	Focal Length	2.7~13.5 mm
	Angle of View (H)	102.8° ~ 31.3°
	Angle of View (V)	57.3° ~ 17.6°
	Angle of View (D)	117.6° ~ 35.9°
	Angle Adjustment	Bracket; Pan: 0°~360°, Tilt: 0°~90°, Rotate: 0°~360°
	Aperture Range	F1.6
	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 on
	AGC	Auto / Manual
	Digital Noise Reduction	3D DNR
S/N Ratio	≥60 dB	
Defog	Smart Defog	
WDR	120dB	
Smart IR	Up to 80 m	
Wavelength	850 nm	

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DORI	Lens	2.7 ~ 13.5 mm
	Detection	38.5 ~ 165.5 m
	Observtion	15.0 ~ 65.5 m
	Recognition	7.5 ~ 33.0 m
	Identification	3.5 ~ 16.5 m
VIDEO	Max. Resolution	1920x1080
	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	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
	Stream Settings	i-Frame, PAL/NTSC, Frame Rate
	Video Bit Rate	32 kbps ~ 16 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, 96x96), Image overlay
	ROI	Up to 8 regions
	Privacy Mask	Up to 4 regions
AUDIO	Audio Compression	G.711A, G.711U, ADPCM_D, AAC_LC
	Audio Bit Rate	8 Kbps, 48 Kbps
	Audio I/O	1/1
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, Heatmap
	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)
INTERFACE	Protocols	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, NFS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, RTMP, PPPoE, NTP, UPnP, SMTP, SRTP, (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)
	Serial Interface	1xRS485
	Edge Storage	Micro SD Card Slot, up to 512 GB
	ANR	Supported
	Built-in Heater	Supported
	Cable Interface	Pig Tail
Remote Connection	≤7	
Web Language	15	
Client Application	EyeConnect	

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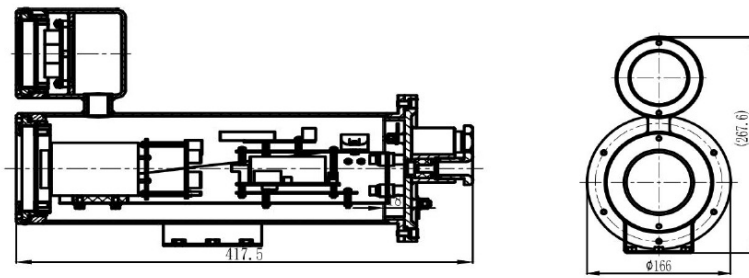
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GENERAL	Power Supply	100 ~ 240V AC, PoE+ (IEEE 802.3at)
	Max. Power Consumption	≤30W
	Working Temperature	-40 °C ~ 70 °C
	Working Humidity	≤95% RH (non-condensing)
	Atmospheric Pressure	80 kPa ~ 106 kPa
	Window Glass	Strong Tempered Glass
	Sun Shade	Supported
	Surge Protection	TVS4000V
	Ingress Protection	IP68
	Reset Button	Supported
	Dimensions	417.5x267.6x166.0 mm
	Net Weight	11 kg

Dimension Unit : mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-HBU5M-80R-47 (with SS316L Housing)	2MP SS316L Group I (Mines) Energized Ma, Mb Bullet Camera with 2.7 to 13.5mm Motorized Lens, PoE+, SD Card Slot, WDR, Smart Analytics, and 80m IR Support	1
ENC-HBU5M-80R-47 (with SS304 Housing)	2MP SS316L SS304 Group I (Mines) Energized Ma, Mb Bullet Camera with 2.7 to 13.5mm Motorized Lens, PoE+, SD Card Slot, WDR, Smart Analytics, and 80m IR Support	1
ENB-BZUW68	Wall Mount Bracket for Norden Explosion Proof Bullet Camera	1

PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-HBU5M-80R-47	Carton Box	-	-

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