

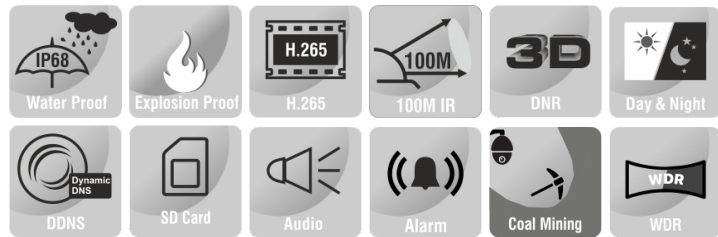
8MP EXPLOSION PROOF CAMERA FOR MINING



ENC-HBUAM-100R-47

FEATURES

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| Starlight Illumination |
| SS316L Stainless Steel Construction (Optional SS304) |
| 2.7~13.5 mm Motorized Lens |
| Smart IR up to 100 m |
| ONVIF Profile (S, G, T) |
| Triple Stream |
| Audio and Alarm Support |
| IP68 |



SPECIFICATION

| MODEL | Model No. | ENC-HBUAM-100R-47 |
|------------|-------------------------|--|
| | Type | 8MP EXPLOSION PROOF CAMERA FOR MINING |
| CAMERA | Image Sensor | 1/2.8" CMOS Progressive 8.0 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) | 106.7° ~ 31.5° |
| | Angle of View (V) | 57.3° ~ 17.8° |
| | Angle of View (D) | 130.9° ~ 34.8° |
| | Angle Adjustment | Bracket; Pan: 0°~360°, Tilt: 0°~90°, Rotate: 0°~360° |
| | Aperture Range | F1.6 |
| | Shutter | 1s ~ 1/100,000s |
| | 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 | 120dB | |
| Smart IR | Up to 100 m | |
| Wavelength | 850 nm | |

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| | | |
|--------------------|----------------------------|---|
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| | Type | 8MP EXPLOSION PROOF CAMERA FOR MINING |
| DORI | Lens | 2.7 ~ 13.5 mm |
| | Detection | 77.0 ~ 331.0 m |
| | Observation | 30.5 ~ 131.0 m |
| | Recognition | 15.5 ~ 66.0 m |
| | Identification | 7.5 ~ 33.0 m |
| VIDEO | Max. Resolution | 3840x2160 |
| | Video Compression | Enhanced (H.265, H.264), H.265, H.264, MJPEG |
| | Frame Rate | Main Stream: (3840x2160, 3072x2048) @ 25/30fps, (2560x1440, 2304x1296, 1920x1080, 1280x720) @ 25/30fps, Sub Stream: (704x480, 704x240, 640x480, 352x240) @ 30fps, (704x576, 704x288, 640x480, 352x288) @ 25fps Third Stream: ((1280x720, 704x480, 704x240, 640x360, 352x240) @ 30fps, ((1280x720, 704x576, 704x288, 640x360, 352x288) @ 25fps |
| | Stream Settings | i-Frame, PAL/NTSC, Frame Rate (1~30FPS) |
| | 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, 32 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 (SSH), P2P |
| | Security | AES 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 |
| | Serial Interface | 1xRS485 |
| | Edge Storage | Micro SD card slot, up to 512 GB |
| | ANR | Supported |
| | Built-in Heater | Supported (Optional) |
| | Cable Interface | Pig Tail |
| | Remote Connection | ≤7 |
| Client Application | EyeConnect | |
| Web Language | 16 | |

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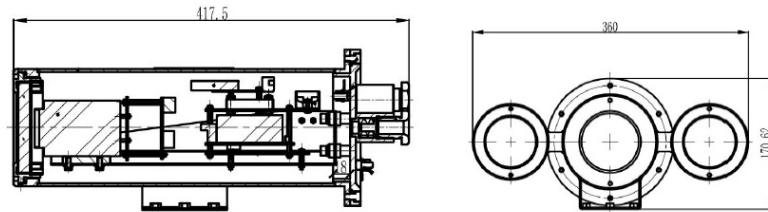
8MP EXPLOSION PROOF CAMERA FOR MINING



ENC-HBUAM-100R-47

| MODEL | | ENC-HBUAM-100R-47 |
|---------|------------------------|---------------------------------------|
| Type | | 8MP EXPLOSION PROOF CAMERA FOR MINING |
| GENERAL | Power Supply | AC 100 ~ 240V, 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 |
| | Surge Protection | TVS4000V |
| | Ingress Protection | IP68 |
| | Reset Button | Supported |
| | Dimensions | 417.5x360x170.6 mm |
| | Net Weight | 13 kg |

Dimension Unit : mm



ORDERING INFORMATION

| Part Number | Description | Standard Quantity |
|-------------------|---|-------------------|
| ENC-HBUAM-100R-47 | 8MP SS316L (optional 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 100m IR Support | 1 |
| ENB-BZUW68 | Wall Mount Bracket for Norden Explosion / Corrosion Proof Bullet Camera | 1 |

PACKING INFORMATION

| Part Number | Packing Mode | Gross weight(Kg) | Dimension(mm) |
|-------------------|--------------|------------------|---------------|
| ENC-HBUAM-100R-47 | Carton Box | - | - |

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