FEX SERIES

KEY FEATURES

- **4K Resolution**: 12MP, 4K(8MP), 6MP, 5MP, 3MP, 1080P
- **Full HD Resolution**: up to 1080P/60
- **Full HD model available**
- **Zoom**: 22X, 30X Optical Zoom
- **Video Output**: IP
- **Wide Dynamic Range**
- **IR Illumination**
- **Environmental**: IP68, Rugged Construction
- **ONVIF Profile S & G compliant**

**FUNCTIONALITY**

- **IP68, Waterproof Connector, Faceplate heater,**
  - Nitrogen Pressurized Housing, Corrosion Resistant Housing
- **Infrared LED, Illumination up to 50 meters**
- **Built-in electrical transient/surge protection**
- **Digital Zoom, True WDR, BLC, Defog**
- **Wide operating temperature range, -40°C to 65°C continuous,**
  - up to 74°C for 12 hours.
- **Single Cat5e cable installation**
- **Power**: POE

**DESIGN**

- **4K (3840x2160 30fps) video resolution up to 12MP/20fps, downgradable to 6MP, 5Mp, 3MP, 2MP.**
  - Full HD resolution up to 1080p60.
- **Video compression H.264/H.265, Configurable Video formats**
- **ONVIF Profile S Compliant**
- **High Definition Optical Glass completed with Double Sided Coating**
  - prevents water seepage and increases light penetration of up to an additional +5%.
- **Internal face plate heater removes moisture formation inside the camera due to condensation under extreme temperature change environments.**
- **IP68 sealing and dry nitrogen pressurization not only protects electrical, mechanical, and optical components to remain free from contaminants but also prevents condensation on the lens and interior of the housing faceplate.**
- **No oxidation or corrosion to circuit boards, solder joints, wiring, or metal parts.**
  - It extends the life of the camera significantly.
- **Hardened Metal Alloy Casing and water proof connector protect against dust, and against the effects of water immersion.**
- **Corrosion resistant housing treatment for salt spray environment use.**
- **18 pin MS connector on housing with detachable 5ft long Tail-cable water proof RJ45 connector**

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Product Specification

**Model No.**
- **FEX22B4K-RNP2**: 22X
- **FEX30BHD-RNP2**: 30X

**Camera**
- **Image Sensor**: 1/1.7" CMOS 8MP, 1/2.8" CMOS 2MP
- **Lens**: 22X, 6.5~143mm, 16X Digital Zoom, 30X, 4.5~135mm, 16X Digital Zoom
- **Horizontal Angle of View**: 59.6°(W)~3.9°(T), 62.9°(W)~2.3°(T)
- **Aperture**: F1.5(W)~F3.4(T), F1.6(W)~F4.4(T)
- **Min. Illumination**: 0.025 lux(F1.5, AGC ON, Color), 0.0025 lux(F1.5, AGC ON, B/W), 0.025 lux(F1.6, AGC ON, Color), 0.0025 lux(F1.6, AGC ON, B/W)
- **Shutter Speed**: 1/6~1/8000s

**Focus**
- Auto, Push

**White Balance**
- Auto, Manual

**Exposure**
- Auto, Manual, Shutter/Iris Priority

**Day/Night**
- YES

**Backlight Compensation**
- YES

**WDR**
- YES, 120db

**Privacy Zone Masking**
- YES

**Defog**
- YES

**Motion Detection**
- YES, 4 Zones

**Noise Reduction**
- 2D/3D

**S/N Ratio**
- ≥50db

**Mechanical**
- **Pan Movement**
- **Tilt Movement**
- **Preset Position**: 255 Zoom Position
- **Home Position**: YES
- **Cruise**: -

**Environmental**
- Outdoor/Indoor, IP68, Corrosion Resistant Treated Housing, Nitrogen Pressurized Housing, Faceplate Heater, Water Proof Connector, Sun-Shield

**Infrared**
- Infrared Illumination distance up to 50 Meters

**Connector**
- 18 pin MS connector on housing with detachable 5ft long Tail-cable waterproof RJ45 connector

**Network**
- **Video Compression**: MJPEG, H.264, H.265
- **Resolution/Frame Rate**: 12MP(4000X3000)20; 6MP(3840X2160)30/25; 6MP(3072X2048)30/25; 5MP(2560X1920)30/25; 2560*2048p:30/25; 2560*1920p/30/25; 2MP(1920X1080)30/25; 720p:30/25fps
- **Protocols**: L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, QoS, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP
- **Multi-stream**: 3 streams
- **Audio Compression**: -
- **OSD**: Yes
- **Compatible Integration**: ONVIF 2.4

**Interface**
- **Network**: 10M/100M/1000M Base-TX Ethernet, RJ45
- **Edge Storage**: Micro SD, Up to 128GB (Optional)

**General**
- **Operating Temperature**: -40°C to +65°C
- **Operating Humidity**: 100% Suitable for Use
- **Power Input**: PoE+ (IEEE 802.3at), 12VDC(Optional)
- **Power Consumption**: 12W (IR & Heater Off), 22W (IR & Heater On)
- **Dimension**: Φ136×315mm
- **Weight**: 3.2kg

**ORDER INFORMATION**
- **FEX22B4K-RNP2**: (4K, IP, POE, Nitrogen Pressurized)
- **FEX30BHD-RNP2**: (FHD, IP, POE, Nitrogen Pressurized)
- **FEX-WM-A**: (Wall mount bracket, Aluminum Alloy)
- **FEX-WM-S**: (Wall mount bracket, Stainless steel)

All models and specifications are subject to change without notice.