



## FEX-HB-01F-S

Explosion-proof Heat Resistant Air & Water Cooling Camera



### KEY FEATURES:

- Air/Water Cooling System
- Weatherproof Standard IP66/IP67
- withstand an ambient temperature of about 200°C
- 2 to 8 megapixel resolution
- Made of 304 stainless steel
- 2.8~12 mm Motorized Lens
- H.265, H.264, MJPEG,
- IP67, IK10

### PRODUCT DESCRIPTION:

The FEX-HB-01F-S series high-temperature-resistant camera has a cooling structure of front-end air chamber and rear-end water chamber. It is a product specially designed for special environments. In high-temperature environments, the chamber is cooled by circulating coolingwater. The front-end compressed air forms a wind curtains, which take away part of the heat and keep the windows clean.

This product can be used in places with high ambient temperatures and a lot of dust. The water-cooled camera housing is equipped with a water cavity. The cooling water is input from the water inlet at the rear end, and then discharged from the water outlet at the front end through the water cavity, taking away the heat.

It can withstand an ambient temperature of about 200 °c. The front end of the imager is equipped with an air cavity. Air is introduced from the air inlet at the front end. The compressed air can take away part of the heat through the inner cavity of the protective cover, then it is discharged from the exhaust port. However, the compressed air used is generally only coarse-filtered in the workshop. It is recommended that users add a fine filter before the compressed air enters the camera

### SPECIFICATIONS:

VIDEO	
Imaging Device	1/2.7"
Effective Pixels	2 TO 5 MP
Scanning System	Progressive CMOS
Min. Illumination	Color 0.002 Lux @ (F1.2, AGC ON); B/W 0 lux @ IR ON
LENS TYPE	
Focal Length (Zoom Ratio)	2.8-12mm
Max. Aperture Ratio	F No. 1.8(W) ~ 3.3(T)
Min. Object Distance	1.2m(W/T)

Lens Type	Motorized(Ø14)
<b>OPERATIONAL SPECIFICATION</b>	
Camera Title	On/Off
Day & Night	IR cut filter with auto switch (Day/Night/Auto/Schedule)
Backlight Compensation	Off/On (5 Zone)
Wide Dynamic Range	120 dB
Digital Noise Reduction	3D DNR
Motion Detection	Off/On (8 Level)
Privacy Masking	Off/On (4 Zone, Rectangle)
Gain Control	Auto
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
Mirror	Flip/Rotation
On-Board Storage	Micro SD slot, up to 256GB
Alarm	1 input, 1 output
<b>NETWORK</b>	
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264
Bitrate control method	CBR/VBR, 32 Kbps~8 Mbps
Streaming Capability	Three Streams
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Security	IP address filter; complicated password; Authenticated username and password
Streaming Method	Unicast/Multicast
Application Programming Interface	ONVIF (Profile S/G/T)
<b>ENVIRONMENTAL</b>	
Temperature the window can withstand	≤200℃
Ambient temperature	-50℃~+200℃
Dust concentration	≤200mg/m <sup>3</sup>
Cooling water temperature	≤35℃
Cooling water flow	0.1~0.3 m <sup>3</sup> /h
Cooling water pressure	0.1Mpa
Compressed air temperature	≤35℃
Compressed air pressure	0.1~0.3Mpa
Compressed air flow	0.1~0.2/min
<b>ELECTRICAL</b>	
Input voltage	AC220V/DC24V (optional)
<b>MECHANICAL</b>	
Material	304 stainless steel material
Cable entry hole	2 M20x1.5" cable outlets
Dimensions	351.5mm*153.5mm*182.5mm (length*width*height)