

# MS7820-FB

## 2.0MP Explosion-Proof HD 20x Network Zoom Camera



### Features

#### Excellent Image Quality

- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- 120dB Ultra WDR
- HLC / 3D noise reduction

#### Intelligent Functions

- Motion detection / Tampering / Guard line / Enter guard area / Exit guard area

#### Explosion-Proof

- Stainless steel enclosure with explosion-proof of Exd II CT6 / DIP A20 TA,T6
- Withstands operation temperatures of -30°C ~ 60°C
- IP68, TVS 6000V lightning protection, surge protection and voltage transient protection

#### Abundant Functions and Features

- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Up to 3 Multi-stream

### Specifications

MS7820-FB	
<b>Camera</b>	
Image Sensor	1/2.8" progressive scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.6, AGC ON) B/W: 0.0003lux @ (F1.6, AGC ON)
Shutter Speed	1 ~ 1/30,000s
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, >=120dB
S/N Ratio	>53dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
<b>Lens</b>	
Focal Length	4.7 ~ 94mm, 20x optical
Zoom Speed	Approx. 3s (Optical)
Angle of View	61° ~ 3.64° (Wide~Tele)
Min. Object Distance	300 ~ 1000mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F3.5 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
<b>Video</b>	
Compression	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi-stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
<b>Network</b>	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, Firefox, Chrome)
Max. User Access	Max. 10 Users (includes 2 internal)
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI
Automatic Network Replenishment (ANR)	Supported
<b>Alarm</b>	
Alarm Triggers	Network disconnect / Disk full / Disk error
Intelligent Alarm Events	Motion detection / Tampering / Guard line / Enter guard area / Exit guard area
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / Email notice
<b>Interfaces</b>	
Ethernet	10/100M, RJ45 interface
Memory Slot	Built-in Micro SD card (optional), up to 128GB
<b>Environmental</b>	
Operating Temperature	-30°C ~ 60°C / -22°F ~ 140°F
Operating Humidity	10% ~ 90%
Protection Level	IP68, TVS 6000V lightning protection, surge protection and voltage transient protection
Explosion-proof mark	Exd II CT6 / DIP A20 TA,T6
<b>Electrical</b>	
Power	-220: 220V AC ± 10% -110: 110V AC ± 10%
Power Consumption	Max. 5W
<b>Mechanical</b>	
Weight	12 kg / 24.46lb (Gross Weight)
Dimensions	150 x 165 x 350mm / 5.91" x 6.5" x 13.78"
Mounting Bracket	Bracket included

### Dimensions

Units: mm

