



SC-3785FWD-10Z



Key Features



- High quality image with 8MP, 1/2.8"CMOS sensor
- 8MP (3840 x 2160)@20fps, 5MP (3072 x 1728)@25/30fps, 4MP (2560 x 1440)@25/30fps, 2MP (1920 x 1080)@25/30fps
- Ultra 265, H.265, H.264, MJPEG
- 120dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode
- Alarm:1 in/1 out, Audio: 1 in/1 out
- Smart IR, up to 50m (164ft) IR distance
- Supports 256 G Micro SD card
- IK10 vandal resistant
- IP67 protection
- Support PoE power supply



Specifications

SC-3785FWD-I0Z					
Camera					
Sensor	1/2.8", 8.0 megapixel, progressive scan, CMOS				
Min. Illumination	Color: 0.0025 Lux (F1.6, AGC On) 0 Lux with IR				
Day/Night	IR-Cut filter with auto switch (ICR)				
Shutter	Auto, manual, 1 ~ 1/100000s				
Adjustment Angle	Pan: 0° ~ 355° Tilt: 0° ~ 80° Rotate: 0° ~ 355°				
WDR	120dB				
S/N	>56dB				
Lens					
Lens	2.8 ~ 12mm, AF automatic focusing & motorized zoom lens				
Iris	Fixed				
Angle of View (H)	107.4° ~ 29.2°				
Angle of View (V)	54.2° ~ 16.3°				
Angle of View (O)	111.0° ~ 33.1°				
DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.8	86.9	34.8	17.4	8.7
	12	372.4	149.0	74.5	37.2
Illuminator					
IR Range	Up to 40m (131ft) IR Range				
Wavelength	850nm				
IR On/Off Control	Auto, manual				
Video					
Video Compression	Ultra 265, H.265, H.264, MJPEG				
H.264 Code Profile	Baseline profile, Main profile & High profile				



Frame Rate	Main Stream: 8MP (3840 x 2160) max. 20fps, 5MP (3072 x 1728) max. 30fps, 4MP (2560 x 1440) max. 30fps, 1080p (1920 x 1080) max. 30fps Sub Stream: 1080p (1920 x 1080) max. 30fps, 720p (1280 x 720) max. 30fps, D1 (720 x 576) max. 30fps, 640 x 360 max. 30fps, 2CIF (704 x 288) max. 30fps, CIF (352 x 288) max. 30fps Third Stream: D1 (720 x 576) max. 30fps, 640 x 360 max. 30fps, 2CIF (704 x 288) max. 30fps, CIF (352 x 288) max. 30fps
Video Bit Rate	128 Kbps ~ 16 Mbps
U-Code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple Streams
Image	
White Balance	Auto, outdoor, fine tune, sodium lamp, locked & auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Flip	Normal, Vertical, Horizontal, 180°, 90° Clockwise, 90° Anti-clockwise
Dewarping	Support
HLC	Support
BLC	Support
Defog	Digital Defog
Intelligent	
Smart Intrusion Prevention	Support False alarm filtering: Cross line detection, intrusion detection, enter area detection & leave area detection
Statistical Analysis	People counting, support people flow counting & crowd density monitoring
Events	
Basic Detection	Motion detection, ultra motion detection, tampering alarm & audio detection
General Function	Watermark, IP address filtering, tampering alarm, access policy, ARP protection, RTSP & User authentication

**Audio**

Audio Compression	G.711
Audio Bitrate	64 Kbps
Two-Way Audio	Support
Suppression	Supported
Sampling Rate	8 kHz

Storage

Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)

Network

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 2 user levels: administrator & common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	EZStation EZView EZLive
Web Browser	Plug-in required live view: IE 10 & above, Chrome 45 & above, Firefox 52 & above, Edge 79 & above Plug-in free live view: Chrome 57.0 & above, Firefox 58.0 & above, Edge 16 & above

Interface

Audio I/O	Input: impedance 35kΩ; amplitude 2V [p-p] Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1
RS485	N/A
Built-in Mic	Support
Built-in Speaker	N/A
Wi-Fi	N/A
Network	1 *RJ45 10M/100M Base-TX Ethernet



Video Output	N/A
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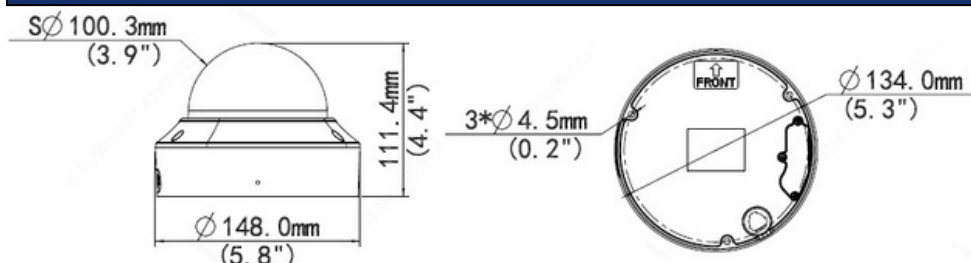
Certifications

EMC	CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11:2020) FCC (FCC CFR 47 part 15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)

General

Power	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 9.0W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions	Φ148 x 111.4mm (Ø 5.8" x 4.4") (Φ x H)
Weight	0.97kg (2.14lb)
Material	Metal
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Reset Button	Support

Dimensions



Accessories



TR-JB04-C-IN
Junction Box



TR-JB07/WM04-B-IN
Wall Mount



TR-WM04-IN
Wall Mount



TR-UP06-IN
Pole Mount



TR-A01-IN
Waterproof Joint