



Camera

Image Sensor:	1/2.5" Progressive Scan CMOS
Signal System:	PAL/NTSC
Min. Illumination:	Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter time:	1/3 s to 1/100,000 s
Slow shutter:	Support
Lens:	Horizontal field of view: 105°to 34.5° Vertical field of view: 55°to 19° Diagonal field of view: 125°to 40°
Lens Mount:	φ14
Adjustment Range:	Pan: 0°to 355°, tilt: 0°to 75°, rotate: 0°to 355°
Day& Night:	IR cut filter with auto switch
Wide Dynamic Range:	120 dB
Digital noise reduction:	3D DNR
Focus:	Auto

Compression Standard

Video Compression:	H.265+/H.265/H.264+/H.264/MJPEG
Video bit rate:	32Kbps~16Mbps
Audio Compression:	G.711/G.722.1/G.726/MP2L2/PCM
Audio bit rate:	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Triple Streams:	Yes

Image

Max. Image Resolution:	3840 × 2160
Sub Stream:	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Frame Rate:	50Hz: 12.5 fps (3840 × 2160), 20fps (3072 × 1728), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Third Stream:	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement:	BLC/3D DNR/ROI/HLC
Image Settings:	Saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Target Cropping:	No
ROI:	1 fixed region for main stream and sub-stream
Day/Night Switch:	Day/Night/Auto/Schedule/Triggered by Alarm In



Network

Network Storage:	microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger:	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General Function:	One-key reset, Anti-Flicker, heartbeat, mirror, password protection, privacy mask, Watermark, IP address filtering
System Compatibility:	ONVIF (Profile S, Profile G),ISAPI

Interface

Audio:	1 input (line in/mic.in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound
Communication Interface:	1 RJ45 10M / 100M Ethernet interface
Alarm:	1 input, 1 output
On-board storage:	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button:	Yes

Audio

Environment Noise Filtering:	Support
Audio Sampling Rate:	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Smart Feature-set

Behavior Analysis:	Line crossing detection, intrusion detection
Line Crossing Detection:	Cross a pre-defined virtual line
Intrusion Detection:	Enter and loiter in a pre-defined virtual region
Recognition:	Face Detection

General

Operating Conditions:	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)
Power Supply:	12 VDC ± 25%, PoE (802.3af Class3)
Power Consumption:	12 VDC, 1 A, max. 11 W PoE (802.3af, 36V to 57V), 0.4 A to 0.3 A, max. 12.5 W
Impact Protection:	IK10
Weather Proof:	IP66
IR Range:	Up to 30m
Dimensions:	Φ 135.8 × 145.5 mm (Φ 5.4" × 5.7")

SF-IPT998ZWHA-8P



Weight:

With package: approx. 1220 g (2.7 lb.)
Camera: approx. 1060 g (2.3 lb.)