

FD950

5MP Fixed Camera, 2.7-12mm mortorized lens, H.265/H.264, IR

DESCRIPTION

Preliminary Datasheet The FD950 is a robust outdoor fixed dome camera with built-in IR illumination providing clear images under any lighting condition. The camera has multi-stream capabilities for simultaneously streaming of H.265/H.264/MJPEG. Multiple combinations of resolution and frame rate can be configured. To have a secured network environment, FD950 is capable of streaming out by HTTPS protocol as well as SRTP protocols.

FEATURES

Max 2560x1920 Resolution

5MP 30fps, 1080p 60fps

Quad stream H.264, H.265 and MJPEG

Secured Streaming SRTP

Embedded Video analytics

Built-In Gyro, EIS

Bi-directional Audio

Built-in IR illuminator

ONVIF Profile S, G and T

IP66, IK10 vandal proof



Camera	
Image Sensor	1/2.7" Progressive CMOS
Effective pixels	2720x1976 (5MP)
Minimum scene illumination	Color: 0.08lux, B/W: 0.008 lux, 0lux with IR illumination on, F1.6, 30IRE, 1/1 shutter speed
Shutter Speed	1 sec. to 1/30,000 sec.
Lens	Motorized 2.7 to 12mm, F/1.6, P-iris
Field of View	31.5° to 102.1° horizontal, 22.7° to 70.3° vertical
Focus Control	Autofocus
Slow Shutter	Supported
Day/Night	Automatical IR-cut Filter
Video	
Video Compression	H.265 (Main Profile) / H.264 (High Profile/Main Profile) / MJPEG
Max. Resolution	2560x1920 30fps(WDR Pro on), 1920x1080 60fps (WDR Pro off)
Supported Resolution	2560x1920 (5MP); 2592x1944, 2688x1512, 1920x1080, 1280x1024, 1280x720, 1360x768, 640x360, 480x272
Frame Rate	25/30fps, 50/60fps
Number of simultaneous streams	Quad streams
Video Bitrate	64 Kbps 20 Mbps
30fps	2688x1944 720x480 640x480 352x240
30fps	2688x1944 1024x768
60fps(Shutter WDR OFF)	1920x1080 1280x720
Bitrate Control	Constant bit rate (CBR), variable bit rate (VBR), Smart bitrate
Number of video output streams	Up to 10 (RTSP)
Total Output Data	51.2Mb/s
Video output	1 Vp-p; 2-pin to BNC patch cable (For test/installation only)
Region of interest	Support
Image	
Wide dynamic range	120dB
White Balance	Auto, Fixed, Manual
Image Setting	Saturation, Brightness, Contrast, Sharpness, Backlight Compensation, Highlight Compensation, WDR, Exposure control, Gain, Defog
Day/Night Switch	Auto/Scheduled/Triggered by Alarm In
Image Enhancement	2DNR, 3DNR, Defog
Digital Zoom	10x
Image Rotation	90°, 180°, 270° rotation
Text and picture overlay	Date, time, Preset title
Privacy mask	Support
Analytics	
Smart Analytics	Loitering Detection, Intrusion Detection, Abandoned Object, Object Removal

Specs



Analytics

Event detections	External Input, Periodical Event, Tampering, Audio Detection, Manual Trigger, System boot, recording notification
Event Action	Alarm output, Record video clip to NAS/SD card, Send alarm message and image by E-mail/FTP, Send HTTP notification

Audio

Capability	Two-way stereo audio
Audio Interface	1x 3.5 mm audio in (line in) ; 1x 3.5 mm audio out interface
Compression	G.711, G.726, AAC, LPCM

Alarm

Input	1x
Output	1x
Operational modes	Motion detection, Tampering alarm, Alarm I/O

Network

Communication Interface	10/100 Mb (RJ45)
Network protocols	IPv4/IPv6, HTTP, HTTPS (TLS1.2), 802.1x, Qos, FTP, SMTP(SSL), UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP/UDP, TCP/IP, IGMP(v2/v3), DHCP, PPPoE, SSL/TLS, SRTP, ONVIF Profile S/G/T, Siqua Protocol
Security	User authentication, Syslog, Digest authentication (RTSP, HTTP), HTTPS encryption (TLS1.2), IEEE 802.1x port-based network access control, IP filtering, signed firmware, secured bootup
Web Viewer	Internet Explorer 11, Microsoft Edge, Google Chrome, Mozilla Firefox

General

Protection Level	IP66, IK10
Material	Die cast aluminum and Plastic
Edge Storage	Built-in micro SD/SDHC/SDXC slot, up to 512 GB
Power	AC24V, 12 Vdc (terminal block), IEEE 802.3af PoE Class 0, Max. 13.97W
IR illumination	850nm IR LEDs, 40m IR Viewable Length
Operating temperature	-55 C to +55 C (-67 F to +131F)
Relative Humidity	10% to 90%, no condensation
Dimensions(camera body)	diameter133.8x117.4 mm
Weight	760g
Colour	RAL 9003 (Signal white)

Ordering Information

FD950	5MP fixed dome, 2.7-12mm motorized, H.265/H.264/MJPEG, P-iris, IR, IK10, IP66
CM13/FD	Flush mount kit for FD800, FD910, FD950 and FD980 series
TA01/FD	Tube adapter/pendant mount for FD800, FD910, FD950 and FD980 series
WM19/FD	Wall mount for FD800, FD910, FD950 and FD980 series

DIMENSION IN MM

