

FW7503-KEP

5MP Fixed Panoramic

FW7503-KEP is a high-quality Fixed Panoramic IP camera which is equipped with 12.3MP Progressive Scan CMOS image Sensor. With the highest sensitivity sensor, it is especially superior in low light condition. As it supports simultaneous H.265, H.264, M-JPEG Video Compression, less network bandwidth and storage space required. It also delivers high quality video image at 30fps@8M in progressive mode.

Key Features

- Backdoor Issue free - Non Hi-Silicon
- 1.2Tops NPU AI
- Native support for deep learning AI features
- Sony Starvis 1/2.3" 12.3MP Image sensor Image sensor
- 1.1mm Fisheye Lens
- Max. 30fps@8MP
- Quadruple Streaming H.265, H.264, M-JPEG, JPEG
- Various Back light mode of WDR, BLC, HLC
- D-WDR, Defog
- IP filtering & Management White List
- ONVIF Profile S, T
- Multi Browser support - Chrome, Edge, I.E



Tech Notes

Native support for deep learning AI features

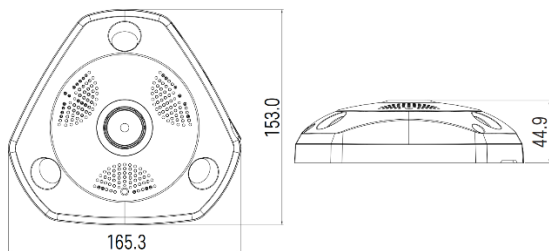
Object Detection, Face Detection, Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection are provided.

Multi Browser Support

It supports multi-browsers like Chrome, Edge.

FW7503-KEP

Technical Specifications



Counting, Object Tracking, Tampering, General Detection, Abnormal Detection

Camera	
Image Sensor	1/2.3" 12.3MP Sony Starvis PS CMOS
Lens	1.1mm Fisheye Lens
P-IRIS (Option)	Support
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.04 lux B&W : 0 lux (IR On)
IR illumination	20m, 3ea. 850nm IR power LED
Video Stream	
System	64bit RISC-V Quad Core up to 594MHz, NAND Flash 2Gbit(256MB) / LPDDR3 8Gbit(1024MB)
Compression	H.265, H.264, M-JPEG, JPEG
Video Stream	Quadruple Streaming
Resolution	2816x2816, 2048x2048, 1280x1280, 1024x1024, 704x704, 640x640, 320x320
Max. Frame rate	30fps, 25fps@8M
Bit Rate Control	CVBR, CBR, VBR
Video Setting	
Lens type	ELC (Normal/Deblur) ALC (Indoor/Outdoor/Deblur)
Auto Exposure Weight	0 ~ 255
Shutter Mode	Auto / Manual / Flicker
Electronic Shutter	Minimum/ Maximum, 1/30~1/30,000s
Sens Up	Off / x2 / x4 / x8 / x16 / x32
AGC	0 ~ 255
Back Light Mode	Off / HLC / BLC / WDR (> 120dB)
Day-Night Mode	Off / Color / B&W / External
IR LED	Disable / Enable
White Balance	Auto / Preset / Manual
Digital Noise Reduction	2 DNR, 3 DNR
Image Adjustment	Sharpness, Gamma, Mirror, Flip, Contrast
D-WDR	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Color Mode	Default / Vivid
Text OSD	9 lines, settable size, color, position, etc.
Smart Video	ROI (Region of Interest) 8 areas
Privacy Masking	8 Areas
Analytics	
Motion Detection	4 areas
Object Detection	Deep learning based AI Person, Bicycle, Motorcycle, Car, Truck, Bus, Face Detection
Video Analytic	Intrusion Detection, Line Crossing, Object

Network	
Security	IP Filtering, HTTPS, Encrypted & Basic Authentication, Management White List
Supported Protocols	HTTP, RTP/RTSP (Uni/Multicast), TCP/IP (v4/v6), UDP, FTP, Telnet, HTTPS, RARP, SNMP (option), DHCP, NTP, SMTP client, uPnP, ZeroConf
DDNS	www.ipcctvdns.com
Interface	RJ45 Ethernet 10/100Mbps
Cybersecurity	
Asymmetric Encryption Algorithm	RSA 2048 bits
Digital Signature Algorithm	RSA 2048 bits
Symmetric Encryption Algorithm	AES-128, AES-256
Cryptographic Hash Functions	SHA-256, MD5
Token Authentication Code	SHA-256, MD5
Key Exchange Protocols	RSA Key Exchange
Certificate	X.509
System Integration	
Application Programing Interface	SDK, ONVIF Profile S, T
Event Condition	Motion detection, audio detection, external digital input, external input data, SD card error
Event Action	Pre-alarm & Post-alarm buffer Image upload: FTP (periodic, buffer) Notification: email, HTTP, TCP, UDP External digital output
Edge AI	Supported
Peripheral & Auxiliary I/O	
Onboard Recording	MicroSD card slot, support up to 1TB
Audio	-
External alarm	-
Serial interface	-
Video out	CVBS (SD analog)
Software	
Web Browser	IE, Chrome, Edge
Mobile Viewer	iOS, Android
CMS	Smart Multi Viewer and Player
NVR	SmartNVR (up to 9 channels free license)
Device manager	IP Installer
General	
Case/ Color	Plastic/ White
Power Supply	DC12V / 1A PoE : IEEE 802.3af
Power Consumption	Max. 5.2W
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	165.3(L) x 153.0(D) x 44.9(H) mm
Weight	Approx. 280g
Protection	-
Certifications	CE, KC
Included Accessories	-

Notes :

* Specifications are subject to change without notice for product improvement.

* AI capabilities may not perform perfectly all the time because their performance can be affected by the environment and the content they are trained on.