FW7502-TVF   3MP Vandal proof Dome

FW7502-TVF is a high quality Vandal proof Dome type IP camera which is equipped with 3.21MP(effective pixel) Progressive Scan CMOS image Sensor. With the highest sensitivity Starvis sensor, It is especially superior in low light condition. As it supports simultaneous H.265, H.264 and MJPEG Video Compression, less network bandwidth and storage space required. It also delivers high quality video image at 30fps@3M(2048x1536) in progressive mode.

Key Features

- Ambarella platform – Backdoor Issue free

- Sony Starvis (1/2.8") 3.21MP PS CMOS Sensor

- Night Color with super high sensitive sensor

- 3.6mm Motorized Auto Focus Lens

- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)

- Max. 30fps @ 3MP (2048x1536)

- DOL WDR (>120dB)

- Night Color level adjustment (B/W, 10, 20, 30, 40, 50)

- Shutter limit (Min./Max.) setting

  - Good for the better night time moving object image

  - To avoid saturation under strong back light or IR reflection
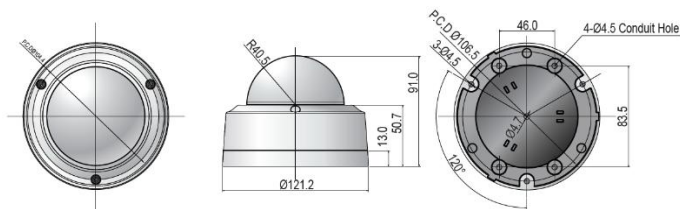
- OnVIF (Profile S) standard

Tech Notes

NIR
NIR is a **region** of the electromagnetic spectrum that has unique properties which make it very useful for characterizing materials. The **NIR region** is from 700 to 2500 nm. FlexWATCH IP cameras has the best image quality in NIR region by using Sony up to date sensor.

Management white list
A whitelist is a list of items that are granted access to a certain system or protocol. When a whitelist is used, all entities are denied access, except those included in the whitelist. ... A network administrator may configure a firewall with a whitelist that only allows specific IP addresses to access the IP camera or NVRs.

Camera	
Imaging Sensor	1/2.8" 3.21MP Sony Starvis PS CMOS Sensor
Lens	3.6mm (F1.8) Fixed
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.05 lux B/W : 0.0005 lux / 0 lux (IR On)

Video Stream	
System	Ambarella 32bit Embedded Linux 256Mbyte SDRAM, 128Mbyte NAND Flash
Compression	H.265, H.264, M-JPEG, JPEG
Resolution	2048x1536, 1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Frame rate	30fps/25fps @ 3M
Video Stream	Quadruple Streaming, selectable : H.265/H.264/MJPEG, Frame rate, Bitrate, VBR/AVBR/CBR/ACBR, GOP

Video Setting	
Motion Detection	4 Areas
Audio Detection	Enable (sensitivity setting) / Disable
Privacy Masking	8 Areas
Video Analytics	Optional (Face Detection, Tampering, Tripwire etc.)
Smart Video	ROI
Exposure Mode	Indoor / Outdoor
AE Metering Mode	Spot / Center / Average / Venter Flip
Shutter Control	Manual (Min./Max. Setting) / Auto
Max AGC Gain	0~72
Sense Up Level	Off / 1 / 2
Back Light Compensation	Enable / Disable
Auto Exposure Weight	25% ~ 400%
WDR	DOL WDR (Enable / Disable), D-WDR 0~128
Image Adjustment	Brightness / Contrast / Hue / Saturation / Sharpness
White Balance	Auto / Manual / 9 Special Condition / Custom
3DNR	0~11
Day & Night Control	Color / Black&White / AutoNight Color (B/W, 10, 20, 30, 40, 50)

Image Direction	Vertical Flip / Horizontal Flip / Corridor Mode

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, DHCP, NTP, SMTP client, uPnP&etc
DDNS	www.ipcctvdns.com
Interface	RJ45 Ehternet 10/100Mbps

System Integration	
Programing Interface	SDK, OnVIF Profile S
Video Analytic	Motion detection. Optional: ROI, Tripwire, Tampering, Face Detection
Triggering Event	Motion detection, triggering DI, triggering serial input, connected/ disconnected, boot finished
Action on Event	Pre-alarm & Post-alarm buffer. Upload FTP, Email notification, FCM Google notification
Connection	1 DI/ 1DO, RS485

Illuminator	
Type	24 IR LEDs
Distance	Max. 25Meter

Onboard storage	
Type	1 MicroSD Slot
Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App

Video / Audio	
Video Out	1 CVBS
Audio Compression	-
Audio stream	-
Connection	-

General	
Case	Metal
Power Supply	SMPS, DC12V / 1A PoE : IEEE 802.3af
Power Consumption	Max. 5.2W
Operating Environment	-20℃ ~ +60℃, 10% ~ 90% RH
Dimension	81φ Dome, 121.2(L) x 91(H) mm
Weight	About 515g without Power Supply
Approval	KC, CE, FCC, RoHS, IP66
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite