IPO-VF5RP AF Starlight SH

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Partizan IPO-VF5RP AF Starlight SH is an IP camera from the SH series equipped with a 1/2.7" CMOS sensor featuring Starlight technology with 0.05 lux sensitivity and 120dB wide dynamic range. The camera utilizes a motorized varifocal lens with 5-50mm focal length range providing horizontal viewing angles from 5.5° to 75°. Video encoding supports H.264, H.264+, H.265, and H.265+ codecs with main stream resolution up to 2592×1944 at 25fps. Infrared illumination with 8 LEDs provides night vision up to 80m distance. The unit includes smart analytics capabilities such as face detection, license plate recognition, and intrusion detection. Features IP66-rated metal housing operating from -40°C to 60°C with PoE Class 0 and 12V DC power options.

Product details	
Model	IPO-VF5RP
Version	AF Starlight SH
SKU	1949
Series	SH series
Encoder	
Main stream	2592x1944@25 fps, 2592x1520@25 fps, 2048x1536@25 fps, 2304x1296@25 fps, 1920x1080@25 fps, 1280x960@25 fps
Sub stream	1920x1080@25 fps, 1280x720@25 fps, 640x480@25 fps
Mobile stream	640x480@25 fps, 320x240@25 fps
Video codec	H.264, H.264+, H.265, H.265+
Image sensor	
Sensor	1/2.7" CMOS
Pixel size	2.0 x 2.0 µm
Day/Night mode	Auto, Color, Black&White
Sensitivity	0.05 Lux
Dynamic range WDR	120 dB
S/N ratio	48 dB

Exposure modes	Auto, Manual
Exposure range	1/5 - 1/20000 s
Video functions	BLC, HLC, WDR, AGC, Slow shutter, Privacy mask
Lens	
Lens type	Spherical
Lens mount	M12
Iris	F1.8
Focal length	5 - 50 mm
Zoom	Motorized
Horizontal view	5.5 - 75°
Vertical view	4.9 - 60°
IR LED	
LED type	IR LED
Distance	≤80 m
Number of LEDs	8 pcs
Network	
Network interfaces	RJ-45 (10/100Base-T)
Network functions	DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP, UPnP, SNMP
Default IP address	DHCP
HTTP(s) port	80
Control port	9988
RTSP port	554
RTSP URL	rtsp://LOGIN:PASSWORD@IP:PORT/rtsp/streaming?channel=1&subtype=0
Default credentials	
Default login	admin
Default password	admin
Software	

Smart analytics	Face detection, Vechicle detection, Pedestrian detection, Intrusion detection, Line crossing detection, Cross counting, Crowd density detection, Queue length detection, License plate detection, License plate recognition, Region entrance, Region exiting, AI schedule
Smart analytics (important note)	IP camera alarms can only be utilized with Partizan Cloud platform, Partizan mobile application, and Partizan SH series video recorders.
Cloud abilities	Remote access, Cloud recording, PUSH notifications
Desktop apps	Partizan, Partizan Setup Tool
Mobile app	Partizan
Web browsers	Google Chrome, Mozilla Firefox, Edge
Web browser languages	English, French, German, Italian, Russian, Spanish
Web browser usage (important note)	Web browser access requires Partizan SurveillancePluginV2 installation for device setup and live view. Available at www.apps.partizan.global
External interfaces	
Alarm inputs	1
Alarm outputs	1
Mic	Audio input
Speaker	Audio output
TF card support	≤256 Gb
Mechanical specifications	
IP rating	IP66
Dimensions	172.5 x 90 x 90 mm
Weight	1440 g
Housing material	Metal
Mount material	Metal
Compatible mounts	PMB-6, PMB-6SM, PMB-100, PMB-120
Power	
DC power source	12 V
DC consumption	800 mA
PoE	PoE Class 0

Operating conditions	
Humidity range	20-95 % RH (non-condensing)
Operating temperature	-40 - 60 °C
Storage temperature	-40 - 60 °C
Common	
Package contents	Drill template, Mounting kit
Warranty	3 years