180° Panoramic Full-Colour Turret Camera

CODE: TURVIP-4K180-FW

VIPER

NDAA Compliant

IP

8MP 4K

Full-Colour 24/7

People & Vehicle Detection

Panoramic Stitching

Built-In Microphone

Camera

Image Sensor	1/2.5" CMOS (x2 sensors)
Video Compression	H.265+ / H.265 / H.264+ / H.264
Resolution	8MP, 6MP, 4MP, 2K, 2MP (1 to 20fps)
Minimum Illumination	0.005 lux at F1.1 (Colour); 0.0005 lux at F1.1 (B/W); 0 lux with white LED
White Light Range	20m
Lens	2x 3.5mm
Field of View (Stitching)	**Horizontal:** 180° **Vertical:** 65°
Stitching Method	Alpha-Blending
Panoramic Working Range	1m to 10m
Image Correction	BLC, HLC, WDR, Digital NR
Digital Zoom	x8
S/N Ratio	≥52dB

Interfaces

Network	RJ45 (10M/1000M adaptive ethernet)
Audio	1CH built-in microphone; 1CH built-in speaker
Alarm	1CH alarm input (dry contact); 1CH alarm output
Storage	Micro SD card slot (supports up to 256GB)
Reset Button	Yes

Functions

Remote Monitoring	SuperLive Plus Mobile App / NVMS (used with Viper NVR)
Online Connection	Simultaneous multi-stream real time transmission
Maximum Users for Monitoring	Up to 16 users (simultaneous)
Network Protocol	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE, P2P, SSL/TLS

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⚙ Functions (continued)

Interface Protocol	ONVIF G/S/T
AI Events	Line Crossing Detection, Region Intrusion Detection (People & Vehicle), Video Abnormality, Face Detection & Capture, Face Comparison, Perimeter Protection, Road Traffic Vehicle Capture & Detection
Frost Removal	Desiccant / Vacuuming
Water Removal	Anti-Water Lens Cover

🪨 Parameters & Dimensions

Power Supply	DC12V / PoE
PoE	IEEE802.3af, Class 1
Power Consumption	< 12W
Operating Environment	Day Temperature: -40°C to +55°C; Night Temperature: -40°C to +40°C; Cold Start: -30°C (1 hour wait); Humidity: Less than 90% (non-condensing)
Storage Environment	Temperature: -40°C to +70°C; Humidity: Less than 95% (non-condensing)
Dimensions	Ø154mm x 145mm
Weight	1.3kg
Installation	Ceiling or wall mounted
Protection Grade	IP67; IK10; 6000V lighting protection
Certificate	UKCA, CB, BIS, CE, FCC, PSTI 2023, RoHS, WEEE, REACH (EC1907/2006)