8.0MP VANDALPROOF TURRET

SUNELL

SNIPR8080HDANZ

Key Features

- **8MP Vandalproof Smart IR Turret Network Camera**
- **1/2.8" Progressive Scan CMOS**
- **30fps@8MP(3840*2160)**
- **Triple Streams**
- **Support face, human, vehicle detection and capture**
- **Intelligent detection: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse, People counting**
- **Low bitrate ,Excellent low light performance**
- **True WDR 120dB,3D DNR**
- **ROI, Defog, HLC, Corridor mode, DIS**
- **IP66/IK10**

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System Overview

Sunell Vandalproof Turret camera is an expert at surveillance with high-profile design. With a motorzoom lens and 12x digital zoom lens, the camera can provide a high quality view making it ideal for wide and open areas, such as airports, shopping malls, banks, hotels, stores, offices and more.

Smart Encode (H.265+)

Deliver high quality video without straining the network, Smart Encode H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

HEVC(H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 , some retain the original technology while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream , encoding quality , and the delay between algorithm complexity , optimize settings specific contents include : Improve compression efficiency , improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay , reduce complexity.

IVS

Intelligent Video System (IVS) With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad.

Environmental With a temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

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Camera

Image Sensor	1/2.8" Progressive Scan CMOS
Memory	512 MB RAM, 128 MB Flash
Effective Pixels	3840(H) * 2160(V)
Electronic Shutter	1/5 – 1/2000s
Min. Illumination	Color: 0,03Lux@(F1.2, AGC On) B/W: 0 Lux(IR on)
S/N Ratio	55dB
IR Range	Up to 40 mtr
IR On/Off Control	Auto/Manual
IR Leds	6 pcs 850Nm
Pan/Tilt/Rotation Range	N/A

Lens

Lens Type	Motorized focus
Iris	Fixed Iris
Focal Length	2.7 ~ 13.5 mm F1.6
Angle of View	H: 95.6° ~ 26.9°, V: 65.4° ~ 20.5°
DORI (EN-62676-4)	Detect 56-270 mtr Observe 22 – 114 mtr Recognize 8.6-56 mtr Identify 5.6 – 32 mtr

Video

Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Resolution	5MP/4MP/3MP/1080P/960P/720P/D1/VGA/CIF/QCIF
Streaming Capability	Standard 3 streams
Stream/Frame Rate	Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, CIF @ 25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bitrate	Stream1: 200kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps
Day/Light	ICR
Image Enhancement	HLC/Defog/True Forensic WDR 120dB
White Balance	Auto
Video Performance	High Dynamic Range 120dB WDR measured according to IEC 62676 Part5 107dB WDR
Gain Control	Auto/Manual
Noise Reduction	2D/3D DNR
Electronical Image Stabilization(EIS)	Support
Smart IR	Support

Network

Ethernet	1 RJ45 10M/100M /1000M network interface IEEE802.1x Certificate
Protocol	IPv4/v6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SS
Streaming Method	Unicast
PoE Max Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2, max. 4.5 W, typical 3.4 W
Max Users	10 in dependable, groups, administrator, viewer right settings per user, per camera, per recording, per action
Interoperability	ONVIF 2.4, CGI Conformant
Webbrowser	HTML5
Languages	English, German, French, Spanish, Italian, Russian, Portuguese,
Application Programming Interface	Open API for software integration One Click Connection ONVIF Profile S and Profile G
File Upload	SFTP, HTTPS by user/password control

Storage

Edge Storage	Micro SD/SDHC/SDXC slot, Max 128GB

Auxiliary Interface

Audio Compression	G.711, RAW_PCM
Bit Rate	64kbps(G.711), 128kps(RAW_PCM)
Audio Interface	1 ch Audio in, 1 ch Audio Out, 1 ch Built in Mic
Alarm	1 ch alarm In, 1 ch alarm Out
Reset Button	Yes, User protected, double verification

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Analytics

IVS	Support face, human, vehicle detection and capture Intelligent detection: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse, People counting
Video Detection and Alarm	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering, Alarm Trigger, Third Party Action
Region of Interest	Support Multiple zones
Privacy Masking	Support Multiple Zones

Software

Management Software	SunView1.0 or higher Windows/IOS/Linux Server/Client solution
Smart Phone	Sunview , IOS/Android/Windows

Third Party Support

Third Party Support Camera's	All members of ONVIF 2.2/2.4 Profile G/M/Q/S/T |RTP over UDP |Sunell camera's TCP (EN50132-5-2; IEC 62676-2-3)
Communication Protocol	RTSP by username and password for Third party and Sunell protciol for Sunell camera's
Third Party Software	Genetec, Milestone, SeeTec, LuxRiot, Digifort
Third Party PSIM	Advancis, Winguard, CNL, NICE, Maxxess, Agora, Nedap

Warranty

Sunell 7-year warranty	And Sunell Extended Warranty option,

Electrical

Power Supply	DC12V/POE (IEEE 802.3af)
Power Consumption	8.5W(IR Off), 8W(IR On)
Starting Conditions	-40°C ~ 55°C (-40°F ~ 131°F)
Working Conditions	-40°C ~ +60°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	Φ140x119.2mm
Net Weight	900 gram
Casing	Color: White NCS S 1002-B (for repainting instructions of skin covers, contact your partner), Encapsulated electronics, Captive screws (resitorx 10) IP67 water- and dust-resistant, IK09 impact-resistant, aluminum and polycarbonate/ABS casing
Sustainability	PVC Free
Ingression	IP6\6/IK10

Certifications

CE - FCC - TüV	GdüV – TAPA- FIPS140-2 NDAA Compliant
EN 55022 Class B, EN 55024, EN55032, EN55024, EN50130-4, Class IK10	EN60950-1, 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1 IEC/EN 60529 IP42, IEC/EN 62262
	DIN 50134-4 transport NEN 50126
	Part 15 Subpart B, ANSI C63.4-2015

Security

HTTPS incl. SSL	VPN
	SRTP Encryption
	double- and triple verification strong password policy
IEEE802.Xa network access control	Digest Authentification
	Centralized Certificate Management
Malware Free	TAG firmware

UL LISTED | FIPS140-2 | TüV | GS

RoHS | NDAA Compliant | LGC | DGüV

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