



4MP STARLIGHT SMARTSENSE VARIFOCAL VANDAL-RESISTANT 98 FEET IR IP CABLE-FREE DOME CAMERA

Key Specifications:

- + 4MP high-resolution 2688 x 1520 @ 30fps
- + 2.7-13.5mm, AF automatic focusing and a motorized zoom lens
- + Smart IR up to 98 feet
- + Up to 120 dB true WDR (Wide Dynamic Range)
- + Built-in mic + Audio-Alarm I/O
- + microSD card slot supports up to 256GB
- + ANR Network Storage
- + Ultra H.265 Compression technology
- + ONVIF (Profile S, Profile G, Profile T), API
- + Cable-Free
- + IK10 and IP67 protection
- + One-click Cloud firmware updating
- + NDAA Compliant

4MP varifocal vandal-proof dome security camera delivers crisp video day or night. Featuring **Starlight 2.0 Chipset Technology**, this powerful camera captures clear and vivid color images day or night – even in extremely dark environments.

It also offers flexible storage solutions, with a built-in micro SD slot – enabling local storage up to 256GB and includes a built-in mic for powerful audio surveillance.

- + **Motorized Varifocal Lens** - 2.7 - 13.5 mm automatic focusing and a motorized zoom lens
- + **3D Digital Noise Reduction (DNR)** effectively filters noise to produce a crisper, clear video stream.
- + **IP67 weatherproof housing** this dome camera delivers long-term durability even among extreme weather conditions such as rain, snow, and ice and has a wide temperature range of -22 degrees to 140 degrees Fahrenheit.

SPECIFICATIONS

CAMERA

Sensor	1/2.7", 4.0 megapixel, progressive scan, CMOS
Minimum Illumination	Colour: 0.002 lux (F1.2, AGC ON) 0 lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 - 1/100000s
Adjustment angle	Pan: 0° - 356°; Tilt: 0° - 70°; Rotate: 0° - 356°
WDR	120dB
S/N	>56dB

LENS

Lens	2.7 - 13.5mm, AF automatic focusing and motorized zoom lens
Iris	Fixed
Field of View (H)	103.58°- 31.05°
Field of View (V)	54.37°- 17.55°
Field of View (D)	134.65°-36.63°

DORI

Lens (mm)	2.7
Detect (m)	60.8
Observe (m)	24.3
Recognize (m)	12.2
Identify (m)	6.1

ILLUMINATOR

IR Range	Up to 30m (98ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual

VIDEO

Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 4MP (2688*1520), Max 30fps; 4MP (2560*1440), Max 30fps; 3MP (2304*1296), Max 30fps; 1080P(1920*1080), Max 30fps Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps
Video Bit Rate	128 Kbps-16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple streams

IMAGE

White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Vertical/Horizontal/180°/90° Clockwise/90° Anti-clockwise
Dewarping	NA
HLC	Support
BLC	Support
Defog	Digital Defog

INTELLIGENT

Smart intrusion prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Statistical Analysis	People counting, support people flow counting and crowd density monitoring

EVENTS

Basic Detection	Motion detection, Ultra motion detection, tampering alarm, audio detection
General Function	Watermark, IP address filtering, tampering alarm, access policy, ARP protection, RTSP authentication, user authentication

AUDIO

Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way audio	Support
Suppression	Support
Sampling Rate	8KHZ

STORAGE

Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)

SPECIFICATIONS

NETWORK

Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	Guard Station CMS Guard Tools Software Guard Viewer Mobile
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above

INTERFACE

Audio I/O	Input: impedance 35kΩ; amplitude 2V [p-p] Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1
RS485	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WIFI	N/A
Network	10M/100M Base-TX Ethernet
Video Output	N/A

CERTIFICATIONS

EMC	CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11:2020) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014)
	UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)

GENERAL

Power	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 6.5W
Power Interface	Cable-free
Dimensions (Ø x H)	Ø128mmx100mm (Ø5.04" x 3.94")
Net Weight	0.59kg (1.31lb)
Material	Metal
Working Environment	-30°C - 55°C (-22°F - 131°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-30°C - 55°C (-22°F - 131°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Reset Button	Support

DIMENSIONS