

DS-2XS6A25G0-I/CH20S40 EXIR Fixed Bullet Solar Power 4G Network Camera Kit















It can be used in the areas that are not suitable for laying wired network and electric supply lines, or used for the scenes that feature tough environment and have high demanding for device stability. It can be used for monitoring the farms, electric power cables, water and river system, oil pipelines and key forest areas. It also can be used in the temporary monitoring scenes, such as the large-scale competitions, the sudden public activity, the temporary traffic control and the city construction.

- High quality imaging with 2 MP(1920 × 1080 @30 fps) resolution
- Clear imaging against strong back light due to 120 dB true
 WDR technology
- The camera battery can work up to seven days in rainy or cloudy days if it is fully charged
- 40 W photovoltaic panel, 20 Ah chargeable lithium battery
- Support battery management, battery display, battery high-low temperature protection, charge-discharge protection, low-battery sleep protection and remote wakeup
- LTE-TDD/LTE-FDD/WCDMA/GSM 4G wireless network transmission, support Micro SIM card
- Camera: Water and dust resistant (IP67)





Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.004 Lux @ (F1.4, AGC ON),
	B/W: 0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR on
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Day & Night	IR cut filter
Lens	
Lens Type	Fixed Focus Lens
	2.8 mm @1.4: Horizontal FOV: 107°, vertical FOV: 57°, diagonal FOV: 128°
Lens Type & FOV	4 mm @F1.4: Horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102°
	8 mm @F1.6: Horizontal FOV: 41°, vertical FOV: 22°, diagonal FOV: 47°
Lens Mount	M12
DORI	
	2.8 mm: D 44 m / O 17.5 m / R 9 m / I 4.5 m
DORI	4 mm: D 53 m / O 21 m / R 11 m / I 5 m
	8 mm: D 110 m / O 44 m / R 22 m / I 11 m
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)
IVIAIII SUEdITI	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480)
Sub-Stream	60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50Hz: 1fps (1280 × 720, 640 × 480)
rimu Sucaili	60Hz: 1fps (1280 × 720, 640 × 480)
	Main stream: H.265+/H.265/H.264+/ H.264
Video Compression	Sub-stream: H.265/H.264/MJPEG
	Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Stream Type	Main stream/Sub-stream/third stream
Scalable Video Coding (SVC)	H.265 and H.264 support



Simultaneous Live View Up to 6 channels API Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome TCP/IP, ICMP, HTTP, HTTPS, FTP, STPP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPPP, SMTP, SMMP, ISMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes User/Host Up to 32 users. 3 user levels: administrator, operator and user Pessword protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS.1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NRS, SMB/CIFS), auto network replication and health detection are supported. Client IVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 46 LTE-TDD: Band38/40/41; LTE-FDD: Band38/40/41; LTE-FDD: Band38/40/41; LTE-FDD: Band38/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day, Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Enhancement BLC, HLC, 3D DNR, Defog Image Enhancement BLC, HLC, 3D DNR, Defog Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SSR \$5.2 dB Privacy Mask 4 regions of privacy mask Interface SSAR \$5.485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RTS-485 1 RM-5485(half duplex) On-board Storage Communication Interface RTS-485 6 MISC SMC And START ST	Region of Interest (ROI)	4 fixed regions for each stream
API Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnPP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes User/Host Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption, 802.1X authentication [EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (RFS, SMB/CIFS), auto Network Storage microSD/SDHC/SDXC card (256 GB) local storage, and NAS (RFS, SMB/CIFS), auto network replenishment (ANR)Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client NVMS-4200, Hik-Connect, Hik-Central Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+	Network	
TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP,UPPP, SMTP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS Smooth Streaming Ves User/Host Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 Metwork Storage microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)Together with high-end Hikivision memory card, memory card encryption and health detection are supported. Client NMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE8+ Web Browser Plug-in required live view: IE8+ Web Browser LTE-TDD: Band38/40/41; LTE-FDD: Band38/40/41; LTE-TDD/LTE-FDD/WCDMA/GSM Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Parameters Switch Yes Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Privacy Mask 4 regions of privacy mask Interface RS-485 On-board Storage Built-in micro SD slot, up to 256GB Built-in micro SD slot, up to 256GB Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Simultaneous Live View	Up to 6 channels
SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS	API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
SMTP, SMNP, IGMP, 802.1X, QoS, IPV6, UDP, Bonjour, SSL/TLS Woodth Streaming Ves User/Host Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)Together with high-end Hikivision memory card encryption and health detection are supported. Client IVMS-4200, Hik-Connect, Hik-Central Plug-in frequired live view: IE8+ Web Browser LTE-TDD: Band38/40/41; LTE-FDD: Band38/40/41; LTE-TDD/LTE-FDD/WCDMA/GSM Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Parameters Switch Yes Image Enhancement BLC, HLC, 3D DNR, Defog Image Enhancement BLC, HLC, 3D DNR, Defog Image Estings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR \$25 d B Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Ves Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Durata and	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,
Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, Pladdress filter, basic and digest authentication for HTTP/HTTPS, WSES and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client IMM-4200, Hik-Connect, Hik-Central Plug-in required live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ local service: Chrome 41.0+, Firefox 30.0+ 46 46 46 Frequency LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 46 Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Privacy Mask 4 regions of privacy mask Interface R5485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface R145 10M/100M self-adaptive Ethernet port	Protocois	SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
Password protection, complicated password, HTTPS encryption, 802.1X authentication (2AP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client iMMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G 4G Frequency	Smooth Streaming	Yes
CEAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTS OVER HTTPS, Control Timeout Settings, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client IVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: LE8+ Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 46 46 Frequency LTE-FDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 46 Standard LTE-TDD/TE-FDD/WCDMA/GSM GSM: Band3/5/8 46 Standard LTE-TDD/TE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Parameters Switch Yes Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Privacy Mask 4 regions of privacy mask Interface SN-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 100/100M self-adaptive Ethernet port	User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network Storage network replenishment (ANR)Together with high-end Hiskvision memory card, memory card encryption and health detection are supported. Client VIMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE8+ Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/R/820/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR \$52 dB Pirvacy Mask 4 regions of privacy mask Interface S-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port		Password protection, complicated password, HTTPS encryption, 802.1X authentication
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Network Storage microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client iVMS-4200, Hik-Connect, Hik-Central Web Browser Plug-in required live view: LB+ Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/78/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image The IR LEDS on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Privacy Mask 4 regions of privacy mask Interface Wes		authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network
Network Storage network replenishment (ANR)Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client iVMS-4200, Hik-Connect, Hik-Central Web Browser Plug-in free live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 46 46 47 48 LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 49 CSM: Band3/5/8 40 The IR LEDS on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day, Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes SNR 252 dB Privacy Mask 4 regions of privacy mask Interface 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset		Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2
card encryption and health detection are supported. Client iVMS-4200, Hik-Connect, Hik-Central Plug-in free live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G 4G 4G 4G Frequency LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port		microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto
Client iVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Network Storage	network replenishment (ANR)Together with high-end Hikvision memory card, memory
Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR \$ 25 2 dB Privacy Mask A regions of privacy mask Interface RS-485 1 RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port		card encryption and health detection are supported.
Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ 4G LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8	Client	iVMS-4200, Hik-Connect, Hik-Central
4G Frequency LTE-TDD: Band38/40/41; 4G Frequency LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port		Plug-in required live view: IE8+
LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Inage Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+
LTE-TDD: Band38/40/41; LTE-FDD: Band1/3/5/7/8/20/28; WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port		Local service: Chrome 41.0+, Firefox 30.0+
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WCDMA: Band1/5/8 GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port		LTE-TDD: Band38/40/41;
GSM: Band3/5/8 4G Standard LTE-TDD/LTE-FDD/WCDMA/GSM Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	4G Frequency	LTE-FDD: Band1/3/5/7/8/20/28;
4G StandardLTE-TDD/LTE-FDD/WCDMA/GSMImageThe IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.Day/Night SwitchDay, Night, Auto, ScheduleTarget CroppingYesPicture OverlayLOGO picture can be overlaid on video with 128 × 128 24bit bmp formatImage EnhancementBLC, HLC, 3D DNR, DefogImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBPrivacy Mask4 regions of privacy maskInterfaceInterfaceRS-4851 RS-485(half duplex)On-board StorageBuilt-in micro SD slot, up to 256GBHardware ResetYesCommunication InterfaceRJ45 10M/100M self-adaptive Ethernet port		WCDMA: Band1/5/8
ImageSmart IRThe IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.Day/Night SwitchDay, Night, Auto, ScheduleTarget CroppingYesPicture OverlayLOGO picture can be overlaid on video with 128 × 128 24bit bmp formatImage EnhancementBLC, HLC, 3D DNR, DefogImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBPrivacy Mask4 regions of privacy maskInterfaceRS-4851 RS-485(half duplex)On-board StorageBuilt-in micro SD slot, up to 256GBHardware ResetYesCommunication InterfaceRJ45 10M/100M self-adaptive Ethernet port		GSM: Band3/5/8
Smart IRThe IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.Day/Night SwitchDay, Night, Auto, ScheduleTarget CroppingYesPicture OverlayLOGO picture can be overlaid on video with 128 × 128 24bit bmp formatImage EnhancementBLC, HLC, 3D DNR, DefogImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBPrivacy Mask4 regions of privacy maskInterfaceRS-4851 RS-485(half duplex)On-board StorageBuilt-in micro SD slot, up to 256GBHardware ResetYesCommunication InterfaceRJ45 10M/100M self-adaptive Ethernet port	4G Standard	LTE-TDD/LTE-FDD/WCDMA/GSM
Smart IRto avoid image overexposure.Day/Night SwitchDay, Night, Auto, ScheduleTarget CroppingYesPicture OverlayLOGO picture can be overlaid on video with 128 × 128 24bit bmp formatImage EnhancementBLC, HLC, 3D DNR, DefogImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBPrivacy Mask4 regions of privacy maskInterfaceRS-4851 RS-485(half duplex)On-board StorageBuilt-in micro SD slot, up to 256GBHardware ResetYesCommunication InterfaceRJ45 10M/100M self-adaptive Ethernet port	Image	
to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule Target Cropping Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Smart IR	The IR LEDs on camera should support Smart IR function to automatically adjust power
Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Jinait III	to avoid image overexposure.
Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Day/Night Switch	Day, Night, Auto, Schedule
Image EnhancementBLC, HLC, 3D DNR, DefogImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBPrivacy Mask4 regions of privacy maskInterfaceRS-4851 RS-485(half duplex)On-board StorageBuilt-in micro SD slot, up to 256GBHardware ResetYesCommunication InterfaceRJ45 10M/100M self-adaptive Ethernet port	Target Cropping	Yes
Image Parameters Switch Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
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Image Settings adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface FS-485 RS-485 (half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Image Parameters Switch	Yes
adjustable by client software or web browser SNR ≥52 dB Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance
Privacy Mask 4 regions of privacy mask Interface RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	image settiligs	adjustable by client software or web browser
Interface RS-485	SNR	≥52 dB
RS-485 1 RS-485(half duplex) On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Privacy Mask	4 regions of privacy mask
On-board Storage Built-in micro SD slot, up to 256GB Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	Interface	
Hardware Reset Yes Communication Interface RJ45 10M/100M self-adaptive Ethernet port	RS-485	1 RS-485(half duplex)
Communication Interface RJ45 10M/100M self-adaptive Ethernet port	On-board Storage	Built-in micro SD slot, up to 256GB
	Hardware Reset	Yes
4G micro SIM card	Communication Interface	RJ45 10M/100M self-adaptive Ethernet port
	4G	micro SIM card



Event	
Pacie Event	Motion detection, video tampering alarm, exception (network disconnected, IP
Basic Event	address conflict, illegal login, HDD full, HDD error)
	Line Crossing Detection, up to 4 regions configurable
	Intrusion detection, up to 4 regions configurable
	Region entrance detection, up to 4 regions configurable
Smart Event	Region exiting detection, up to 4 regions configurable
Smart Event	Unattended baggage detection, up to 4 regions configurable
	Object removal detection, up to 4 regions configurable,
	Scene change detection
	The smart events are only supported in full power mode.
General	
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger
	recording, trigger capture
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record
	Trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, Email
	Trigger notification: HTTP, ISAPI, Email
Online Upgrade	Yes
Dual Backup	Yes
Firmware Version	V5.5.111
	33 languages
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,
Web Client Language	French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian,
	Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai,
	Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
	Anti- flicker, 3 streams heartbeat, mirror, privacy masks, flash log, password reset via
General Function	e-mail, pixel counter
Software Reset	Yes
Storage Conditions	-30 °C to 60 °C. Humidity 95% or less (non-condensing)
Startup and Operating	-15 °C to 55 °C. Humidity 95% or less (non-condensing)
Conditions	-15 C to 55 C. numberly 95% of less (non-condensing)
Power Supply	12 VDC ± 20% ;
Power Consumption and Current	1. The average power consumption of the 24 hours is 1.76 W (4G transmission is
	excluded, 50% illumination).
	2. On rainy or cloudy day, the camera battery life is up to 5.2 days if it has been full
	charged (if the camera works continuously according to the 24-hour average power
	consumption).
	3. The daily effective sunlight is 1.77 hour and the camera can be online always (if it
	works continuously according to the 24-hour average power consumption).
Power Interface	Φ5.5 mm coaxial power plug
Camera Material	Front cover: metal; camera body: plastic
Screw Material	SUS304
Camara Bina	760 × 732.6 × 586.9 mm (29.9" × 28.8" × 23.1") (Max. size of the camera after it is
Camera Dimension	completely assembled)
Package Dimension	826 × 469 × 444 mm (32.5" × 18.5" × 17.5")
Camera Weight	Approx. 12964g (28.58 lb.)
	I .



With Package Weight	Approx. 16861g (37.17 lb.)	
Battery		
Battery Type	Lithium	
Capacity	20 Ah	
Max. Charging Voltage	12.6 V	
Operating Temperature	-5 °C to 60 °C (23 °F to 140 °F)	
Battery Voltage	10.8 V	
Battery Life	More than 800 cycles	
Approval		
Class	Class B	
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011	
	+A1: 2014); RCM (AS/NZS CISPR 32: 2015);	
RF	CE-RED (EN 301489-1 V2.2.3; EN 301489-52 V1.1.0; EN 62311:2008); ICASA (EN 301	
	489-1 V2.2.3; EN 301 489-52 V1.1.0;EN 62311:2008)	
Safety	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013;IEC 62368-1:2014); CE-LVD (EN	
	60950-1:2005 + Am 1:2009 + Am 2:2013;EN 62368-1:2014+A11:2017);	
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)	
Protection	Camera: IP67(IEC 60529-2013)	

^{*}You are recommended to charge the solar panel for 12 hours before the installation in case the camera cannot start up due to the low battery.

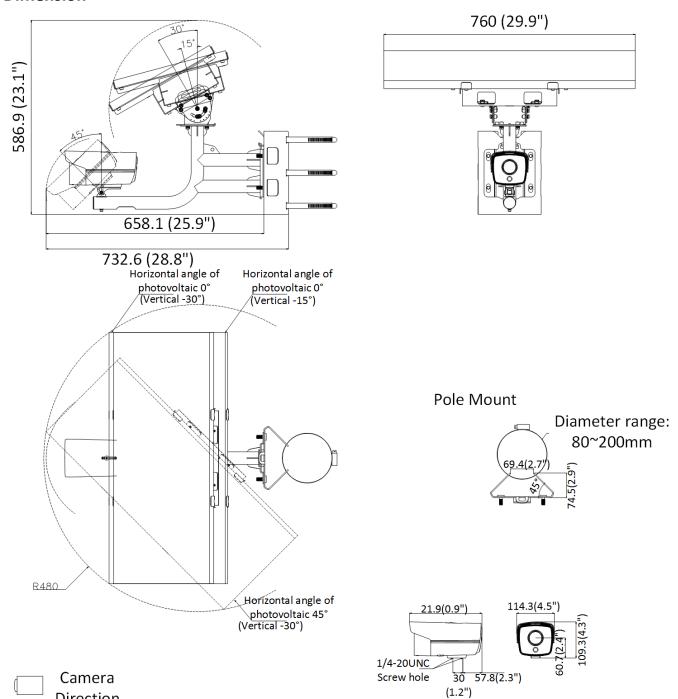
Available Model

DS-2XS6A25G0-I/CH20S40



Dimension

Direction



Unit: mm (inch)



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