

## DS-2XS6A25G0-I/CH20S40

### EXIR Fixed Bullet Solar Power 4G Network Camera Kit



- 2 MP (1920 × 1080 @ 30 fps) Resolution
- 120 dB True WDR Technology
- 5 Day Battery Life on Rainy/Cloudy Days
- 40 W Photovoltaic Panel, 20 Ah Chargeable Lithium Battery
- Battery Management, Display, High-Low Temperature Protection, Charge-Discharge Protection, Low-Battery Sleep Protection, Remote Wakeup
- LTE-FDD/WCDMA 4G Wireless Network Transmission, Supports MicroSIM Card
- Camera: Water and Dust Resistant (IP66)

Hikvision's DS-2XS6A25G0-I/CH20S40 EXIR Fixed Bullet Solar Power 4G Network Camera Kit can be used in areas that are not suitable for laying wired network and electric supply lines, or used for scenes in tough environments and that have a high demand for device stability.

It can be used for monitoring farms, electric power cables, water and river systems, oil pipelines, and key forest areas.

It also can be used in temporary monitoring scenes such as large-scale competitions, sudden public activity, temporary traffic control, and city construction.

#### Available Model

DS-2XS6A25G0-I/CH20S40



# Specifications

DS-2XS6A2560-I/CH20S40	
<b>Camera</b>	
Image Sensor	1/2.8" progressive scan CMOS
Minimum Illumination	Color: 0.004 lux @ (f/1.4, AGC on), B/W: 0.002 lux @ (f/1.4, 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
<b>Lens</b>	
Lens Type	Fixed focus lens
Focal Length and FOV	2.8 mm @ f/1.4: horizontal FOV: 107°, vertical FOV: 57°, diagonal FOV: 128° 4 mm @ f/1.4: horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102° 8 mm @ f/1.6: horizontal FOV: 41°, vertical FOV: 22°, diagonal FOV: 47°
Lens Mount	M12
<b>DORI</b>	
DORI	2.8 mm: D 44 m/O 17.5 m/R 9 m/I 4.5 m 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
<b>Illuminator</b>	
IR Range	Up to 98 ft (30 m)
IR Wavelength	850 nm
Smart Supplement Light	Yes
<b>Video</b>	
Maximum Resolution	1920 × 1080
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 1 fps (1280 × 720, 640 × 480) 60 Hz: 1 fps (1280 × 720, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 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
Region of Interest (ROI)	4 fixed regions for each stream
<b>Network</b>	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users. 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1x authentication (EAP-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/RTSP OVER HTTPS, Control Timeout Settings, TLS 1.2
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 supported
Client	Hik-Connect, Hik-Central
Web Browser	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+
<b>Mobile Communication</b>	
Frequency	LTE-FDD: Band 2/4/5/12/13/17/66/71; WCDMA: Band 2/4/5
Standard	LTE-FDD/WCDMA

## Specifications (continued)

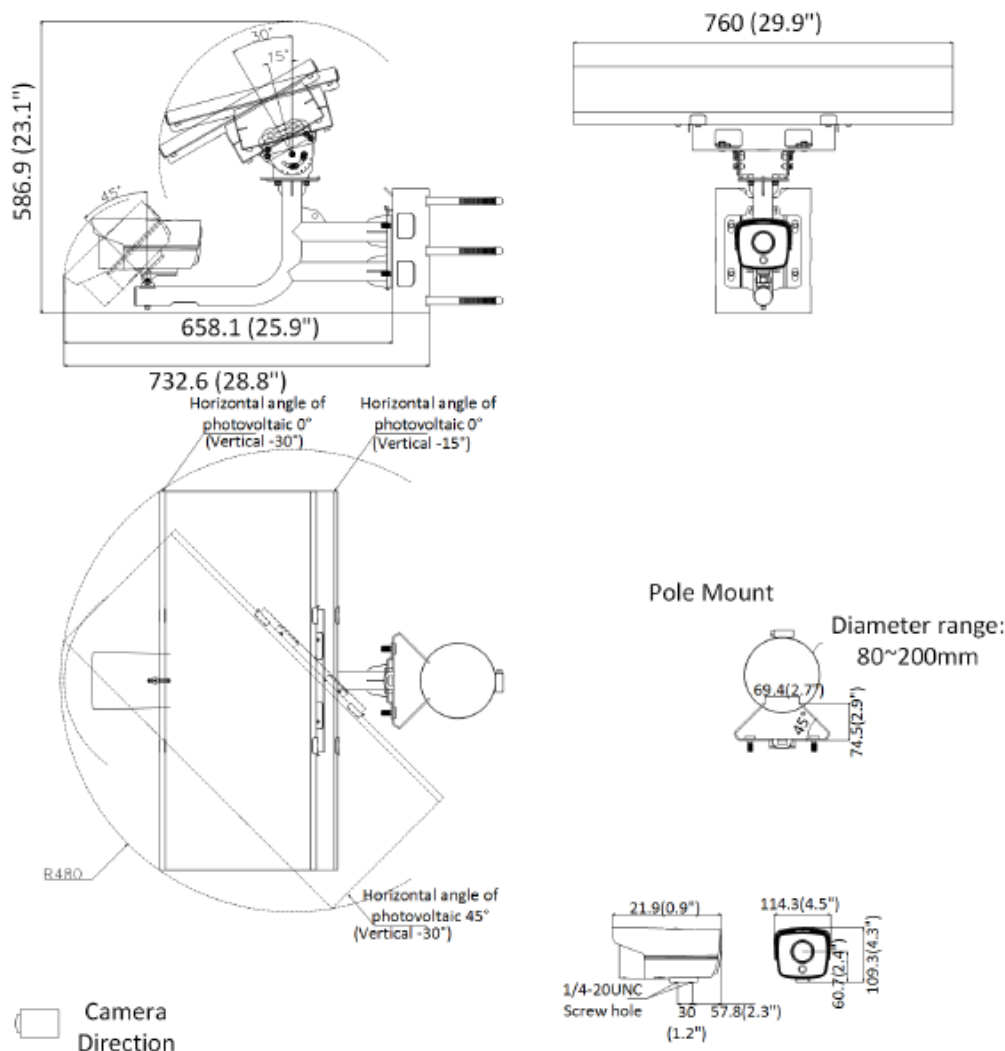
DS-2XS6A2560-I/CH20S40	
<b>Image</b>	
Smart IR	Camera's IR LEDs should support Smart IR function to automatically adjust power to avoid image overexposure
Day/Night Switch	Day, Night, Auto, Schedule
Target Cropping	Yes
Picture Overlay	Logo picture can be overlaid on video in 128 × 128 24-bit bmp format
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	≥52 dB
Privacy Mask	4 regions
<b>Interface</b>	
RS-485	1 RS-485 (half duplex)
On-Board Storage	Built-in microSD slot, up to 256 GB
Hardware Reset	Yes
Ethernet Interface	RJ-45 10M/100M self-adaptive Ethernet port
4G	Micro SIM card
<b>Event</b>	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, up to 4 regions configurable intrusion detection, up to 4 regions configurable region entrance detection, up to 4 regions configurable region exiting detection, up to 4 regions configurable unattended baggage detection, up to 4 regions configurable object removal detection, up to 4 regions configurable, scene change detection; Smart events are supported only in full power mode
<b>General</b>	
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send e-mail, trigger recording, trigger capture trigger recording: memory card, network storage, pre-record and post-record trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, e-mail trigger notification: HTTP, ISAPI, e-mail
Online Upgrade	Yes
Dual Backup	Yes
General Function	Anti-flicker, 3 streams, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
Storage Conditions	-30° to 60° C, humidity 95% or less (non-condensing)
Startup and Operating Conditions	-15° to 55° C, humidity 95% or less (non-condensing)
Power Supply	12 VDC ±20%
Power Consumption and Current	Average 24 hour power consumption is 1.76 W (4G transmission is excluded, 50% illumination). On rainy or cloudy day, battery life is up to 5 days if fully charged (when the camera works continuously under the 24-hour average power consumption). Daily effective sunlight is 1.77 hour and camera can always be online (if it works continuously according to the 24-hour average power consumption)
Power Interface	Ø5.5 mm coaxial power plug
Camera Material	Front cover: metal; camera body: plastic
Screw Material	SUS304
Camera Dimensions	760 mm × 732.6 mm × 586.9 mm (29.9" × 28.8" × 23.1") (maximum size of camera after completely assembled)
Package Dimensions	826 mm × 469 mm × 444 mm (32.5" × 18.5" × 17.5")
Camera Weight	Approximately 10.164 kg (22.41 lb)
With Package Weight	Approximately 14.061 kg (31.00 lb)
<b>Battery</b>	
Battery Type	Lithium
Battery Voltage	10.8 V
Capacity	20 Ah
Maximum Charging Voltage	12.6 V
Battery Life	More than 800 cycles
Battery Weight	<3.5 kg (7.72 lb)
Battery Dimension	236 mm × 154 mm × 80 mm (9.29" × 6.06" × 3.15")
Charging Condition	0° to 45° C (32° to 113° F)
Discharging Condition	-20° to 60° C (-4° to 140° F)
Storage Condition	-20° to 60° C (-4° to 140° F)

# Specifications (continued)

<b>DS-2XS6A2560-I/CH20S40</b>	
<b>Approval</b>	
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: IP66 (IEC 60529-2013)

- \*1. You are recommended to charge the solar panel for 12 hours before installation in case the camera cannot start due to low battery.
- \*2. The battery must be ordered separately.

# Dimensions



Unit: mm (inch)