

SNC-ER585H

Outdoor Unifized 1080p/30 fps Rapid Dome Camera - E Series



Overview

Sony SNC-ER585H is the ideal outdoor surveillance solution, rated IP66 (water proof) and IK10 (impact resistant) and its operating temperature up to +65°C making it ideal for tough outdoor environments.

This camera delivers high quality 1080p Full HD images over a wide area of view with its superb pan, tilt and zoom capabilities. Its panning features high-speed 360 degrees endless rotation; it can tilt 15° above the horizon, yielding a total tilt range of 210°; and it possesses a powerful 30x optical zoom.

The SNC-ER585H delivers Full HD in H.264, JPEG and MPEG-4 compression formats. It operates down to 1.7 lx colour (F1.6, AGC ON, 1/30s, 50 IRE by IP).

***Product shown with housing accessory. Housing accessory not included.**

Features

- **Fully integrated outdoor PTZ camera package, compatible with standard mounting solutions.**
- **Full HD image sensor with x30 optical zoom**
- **Water, dust and vandal resistant for reliable outdoor performance**

The SNC-ER585H is rated IP66 for dust and water resistance, and certified IK10 vandal-resistant.

- **Operating temperature up to +65°C**
- **High-speed 360 degrees endless rotation**

Ideal for mission critical surveillance, the camera's high-speed 360-degree endless panning capability enables it to cover a wide area quickly in a high degree of detail.

- **Above-the-horizon tilt capability**

The camera's 15" tilt-up and total tilt range of 210" make it ideal for outdoor environments requiring a wide area to be monitored.

- **Choose the compression format that suits your needs**

This camera supports three compression formats: JPEG is the best choice for high-quality still images; MPEG-4 provides clear video images over limited-bandwidth networks; and H.264 is the alternative for severely limited-bandwidth networks, with twice the efficiency of MPEG-4.

- **Noise Reduction and Wide Dynamic Range, for challenging lighting conditions**

Technical Specifications

Camera	
● Image Sensor	1/2.8-type Exmor CMOS sensor
● Number of Effective Pixels	Approx. 3.27 Megapixels
● Sync System	Internal synchronization
● Minimum Illumination (50 IRE)	Color: 1.7 lx (F1.6, AGC On, 1/30 s, 50 IRE) B/W: 0.3 lx (F1.6, AGC On, 1/30 s, 50 IRE, Night Mode)
● Minimum Illumination (30 IRE)	Color: 1.2 lx (F1.6, AGC On, 1/30 s, 30 IRE) B/W: 0.18 lx (F1.6, AGC On, 1/30 s, 30 IRE, Night Mode)
● Dynamic Range	Theoretically 86 dB with DynaView Technology
● S/N Ratio (Gain 0 dB)	More than 50 dB (Gain 0 dB)
● Gain	Auto/Manual (-3 to +28 dB)
● Shutter Speed	1/1 s to 1/10,000 s
● Exposure Control	Full auto, Shutter priority, Iris priority, Manual
● White Balance	Auto, Advanced Auto, ATW, Indoor, Outdoor, One-push, Manual, Sodium vapour lamp
● Lens	Auto-focus zoom lens
● Powered Zoom	Yes
● Zoom Ratio	Optical zoom 30x Digital zoom 12x Total zoom 360x
● Powered Focus	Yes
● Auto Focus	Yes
● Horizontal Viewing Angle	59.5° to 2.1°
● Vertical Viewing Angle	33.4° to 1.2°
● Focal Length	f = 4.3 mm to 129.0 mm
● F-Number	F1.6 (Wide) to F4.7 (Tele)
● Minimum Object Distance	300 mm (Wide) to 1200 mm (Tele)
● Pan/Tilt Angle (powered)	360 ° endless rotation/210 °
● Pan Speed	300 °/s (max.)
● Tilt Speed	300 °/s (max.)
● Number of Preset Positions	256
● Number of Tour Programs	5
Camera Features	
● Day/Night	True D/N
● Wide-D	Dyna View
● Noise Reduction	NR

● Image Stabilizer	Electronic
● Privacy Masking (number)	24
● Privacy Masking (shape)	Quadrangle
● Privacy Masking (color/effect)	Opaque 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, Magenta, Gray (6 scales)), Mosaic
● Edge Storage	Yes
● Voice Alert	Yes
● Vandal Resistant	IK10
● Ingress Protection	IP66
● Superimpose Number	3 independent positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independent position for a logo mark
● Superimpose Language	English
● Menu Language	English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai, Turkish, Polish
● Smartphone viewer	Yes

Video	
● Resolution	1920 x 1080, 1680 x 1056, 1280 x 1024, 1440 x 912, 1280 x 960, 1376 x 768, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192
● Compression Format	H.264, MPEG-4, JPEG
● Maximum Frame Rate	H.264: 30 fps (1920 x 1080) *1 MPEG-4: 30 fps (1440 x 912) *1 JPEG: 30 fps (1440 x 912) *1
● Bitrate Control Mode	CBR/VBR (selectable)
● Range of Bit Rate Setting	64 Kbps to 8 Mbps
● Adaptive Rate Control	H.264
● Bandwidth Control	JPEG
● Multi streaming Capability	Dual streaming *2
● Number of Clients	5
● Letter Box	Yes (1920x 1080 mode, aspect ratio: 16:9)

Intelligent Video/Audio Analytics	
● Analytics Architecture	DEPA
● Intelligent Motion Detection	Yes
● Tamper Alarm	Yes
● Advanced Audio Detection	Yes

Audio	
● Compression Format	G.711/G.726

System Requirements	
● Operating System	Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Ultimate, Business Edition Windows 7 (32/64 bit) Ultimate, Professional Edition
● Processor	Intel Core i7 2.8 GHz or higher
● Memory	2 GB or more
● Web Browser	Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (plug-in free viewer only) Safari Ver. 4.0 (plug-in free viewer only) Google Chrome Ver.4.0 (plug-in free viewer only)
● SNC toolbox	Yes
● SNC toolbox mobile	Yes

Network	
● Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP, SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
● Number of IP Address/Mac ADDRESS	1
● QoS	DSCP
● Multicast Streaming Support	Yes
● ONVIF Conformance	Profile S
● Authentication	IEEE802.1X

Interface	
● Microphone Input	Mini jack (monaural), MIC IN: 2.5 V DC plug-in power
● Line Output	Mini jack (monaural) Maximum output level: 1 Vrms
● Network Port	10BASE-T/100BASE-TX (RJ-45)
● Alarm Input (Sensor Input)	x2 (normally open/normally closed configurable)
● Alarm Output	x2, AC 24V/DC 24V, 1 A (mechanical relay outputs electrically isolated from the camera)
● Card Slots	SD x 1
● Confirmed SD Card Type	SDHC (Max. 32 GB)

General	
● Power Requirements	AC 24 V
● Power Consumption	26 W max.
● Operating Temperature	Maximum operating temperature: -5°C to +65 °C *3 Continuous operating temperature: -5°C to +60°C Maximum operating temperature: +23°F to 149°F *3 Continuous operating temperature: +23°F to 140°F
● Cold Start Temperature	0°C to 65 °C +32°F to +149°F
● Storage Temperature	-20 °C to + 60 °C -4 °F to + 140 °F
● Operating Humidity	20 % to 80 %
● Storage Humidity	20 % to 95 %

● Dimensions *4	φ 222.0 mm x 324.1 mm φ 8 3/4 inches x 12 7/8 inches
● Mass	Approx. 4.3 kg Approximate 9 lb 8 oz
● External Material	Dome cover: PC Top sunshade: PC Coupling: ADC12 Top cabinet: ADC12 Sun shade: PC Dome flange: ADC12
● External Color	Top sunshade: 6.4GY 8.0/0.3 Coupling: 3.6GY 8.4/0.3 Top cabinet: 3.6GY 8.4/0.3 Sun shade: 6.4GY 8.0/0.3 Dome flange: 3.6GY 8.4/0.3
● Safety Regulations	JATE Technical standard (LAN) UL2044, IEC60950-1 (CB) VCCI (Class A), FCC (Class A), IC (Class A) Emission: EN55022 (Class A) + EN50130-4 Immunity: EN55022 (Class A) + EN55024 Emission: AS/NZS CISPR22 (Class A) C-Tick Class A Russia GOST-R KCC
● Supplied Accessories	CD-ROM (User's Guide, supplied programs) (1) Installation Manual (1) Dome cover (1) Top sunshade (1) Coupling (1) Wire fixing belt (1) (except China models) Wire bracket (1) (except China models) Bolts (2) Power supply connector (1) I/O harness (1) Harness band (1) Band mount (1)

Notes

- *1 When using DynaView technology, the maximum frame rate becomes 15 fps
- *2 Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)
- *3 Less than two hours for a day
- *4 The values for dimensions are approximate.

Accessories

Mounting Hardware



UNI-WMB2P/T
Aluminium wall Mount
Bracket



YT-LDR632S
Smoked dome cover for
network cameras