SNC-ER585H

Outdoor Unitized 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

Operating temperature up to +65°C

High-speed 360 degrees endless rotation

Above-the-horizon tilt capability

Choose the compression format that suits your needs

Noise Reduction and Wide Dynamic Range, for challenging lighting conditions

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 Corei7 2.8 GHz or higher
Memory	2 GB or more
	Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0

Web Browser	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	Maximum operating temperature: -5°C to +65 °C *3 Continuous operating temperature: -5°C to +60°C

Temperature	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	φ222.0 mm x 324.1 mm φ8 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	Installation Manual (1) Dome cover (1) Top sunshade (1) Coupling (1) Wire fxing belt (1) (except China models) Wire bracket (1) (except China models) Bolts (2) Power supply connector (1) I/O harness (1) Harnes 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.

Gallery