

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)

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| 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 |

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| 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

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| Day/Night | True D/N |
| Wide-D | Dyna View |
| Noise Reduction | NR |
| Image Stabilizer | Electronic |
| Privacy Masking (number) | 24 |
| Privacy Masking (shape) | Quadrangle |

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| 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

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| 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

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| Analytics Architecture | DEPA |
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| Intelligent Motion Detection | Yes |
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| Tamper Alarm | Yes |
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| Advanced Audio Detection | Yes |
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Audio

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| Compression Format | G.711/G.726 |
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System Requirements

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| Operating System | Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Ultimate, Business Edition Windows 7 (32/64 bit) Ultimate, Professional Edition |
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| Processor | Intel Core i7 2.8 GHz or higher |
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| Memory | 2 GB or more |
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| | Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 |
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| 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) |
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| SNC toolbox | Yes |
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| SNC toolbox mobile | Yes |
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Network

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

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| 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

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| 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 |

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| 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 fixing 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

