SNC-ER585

Network Rapid Dome Camera – E Series

SONY

make**.**believe

Unitized Outdoor 1080p Full HD Rapid Dome Camera

- ■ Powerful 30x optical zoom capability
- ■ Excellent 1080p Full HD picture quality
- ■ Operating temperature from -40°C to +60°C
- ■ High-speed 360 degrees endless rotation
- ■ Dynamic range of 86 dB (theoretical) achieved with DynaView™ technology
- ■ IP66-rated waterproof and dust-tight feature
- ■ IK10-rated vandal-resistant feature

KEY FEATURES

- • 30x optical and total zoom ratio of 360x with 12x digital zoom

- • Excellent 1080p Full HD picture quality at 30 fps (1920 x 1080 maximum resolution)

- • The Exmor™ CMOS sensor realizes high-quality and low-noise images

  Exmor™

- • Three codecs (H.264, MPEG-4, JPEG) and dual-streaming capability

- • Operating temperature from -40°C to +60°C

- • High-speed 360 degrees endless rotation

- • Above-the-horizon tilt – 15° tilt-up, total tilt range of 210°

- • DynaView — Wide-D technology to handle various lighting conditions in a scene

- • IP66-rated waterproof and dust-tight feature for outdoor surveillance, or indoor where water ingress may pose an issue

- • IK10-rated vandal-resistant feature to protect the camera from destructive behaviors

- • True Day/Night function to switch to Day or Night mode depending on the light level

- • DEPA™ Intelligent Video Analytics system can be set up with a DEPA-enabled recorder

  DEPA

- • Image Stabilizer to minimize the effect of camera shake or vibration, avoiding blurry images

- • SD memory card slot for an on-board recording capability[1][2]

- • Smartphone viewer for accessing the camera from a smartphone[3]

- • ONVIF (Open Network Video Interface Forum) Profile S conformance

  ONVIF

DynaView

Normal Shutter Speed

High Shutter Speed

With Wide-D Technology

(simulated images)

* When using Wide-D technology, the maximum frame rate becomes 15 fps.

[1] The on-board recording function cannot be used simultaneously with the intelligent motion detection function and the tamper alarm function.

[2] Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

[3] For details, please contact your local Sony office.
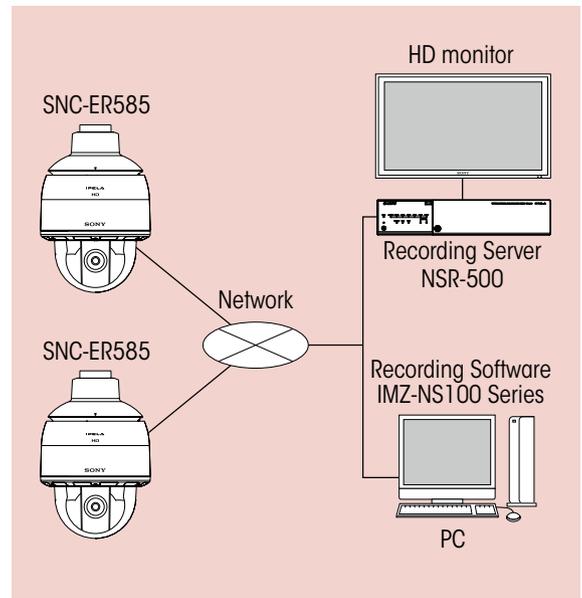
SPECIFICATIONS

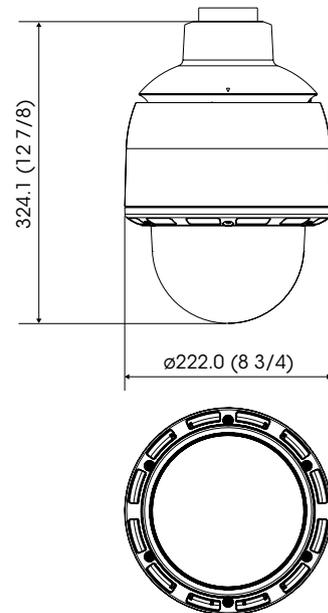| SNC-ER585	
Camera	
Image Sensor	1/2.8-type Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 3.27 Megapixels
Minimum Illumination (50 IRE)	Color: 1.7 lx (F1.6, shutter 1/30 s, AGC ON, 50 IRE)
	B/W: 0.3 lx (F1.6, shutter 1/30 s, AGC ON, Night Mode, 50 IRE)
Minimum Illumination (30 IRE)	Color: 1.2 lx (F1.6, shutter 1/30 s, AGC ON, 30 IRE)
	B/W: 0.18 lx (F1.6, shutter 1/30 s, AGC ON, Night Mode, 30 IRE)
Dynamic Range	Theoretically 86 dB with DynaView Technology
S/N Ratio	More than 50 dB (Gain 0 dB)
Gain	Auto/Manual (-3 dB to +28 dB)
Shutter Speed	1/1 s to 1/10000 s
Sync System	Internal synchronization
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
Horizontal Viewing Angle	59.5° to 2.1°
Focal Length	f = 4.3 mm to 129.0 mm
F-Number	F1.6 to F4.7
Minimum Object Distance	300 mm (wide) to 1200 mm (tele)
Pan/Tilt Angle	360° endless rotation/ 210°
Pan/Tilt Speed	300°/s (max.)/300°/s (max.)
Preset Position	256
Tour	5
Camera Features	
Day/Night	Yes (True D/N)
Wide-D	Yes (DynaView)
Noise Reduction	Yes
Image Stabilizer	Yes[*1]
Image	
Codec Image Size (H x V)	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
Video Compression Format	H.264, MPEG-4, JPEG
Codec Streaming Capability	Dual streaming[*2]
Maximum Frame Rate	H.264: 30fps (1920 x 1080)[*3]
	MPEG-4: 30fps (1440 x 912)[*3]
	JPEG: 30fps (1440 x 912)[*3]
Audio	
Audio Compression Format	G.711/G.726
Scene Analytics	
Intelligent Motion Detection	Yes
Rule-based Filter	DEPA
Network	
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP, SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
ONVIF Conformance	Yes (Profile S)
Number of Clients	5
Authenticatoin	IEEE802.1X
Interface	
Line Output	Mini jack (monaural), Maximum output level: 1Vrms
Network Port	10BASE-T / 100BASE-TX (RJ-45)
Sensor Input	x2 (normally open/normally closed configurable)
Alarm Output	x 1, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera)
Microphone Input	Mini jack (monaural)
Card Slots	SD Card x 1
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
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)
General	
Power Requirements	AC 24 V
Power Consumption	Heater ON: 76 W max., Heater OFF: 26 W max.
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Starting Temperature	-40°C to +60°C (-40°F to +140°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Operating Humidity	20% to 80%
Storage Humidity	20% to 95%
Vandal Resistant	IK10
Dimensions (W x H x D)	ø 222.0 mm x 324.1 mm (ø 8 3/4 inches x 12 7/8 inches)
Mass	Approx. 4.3 kg (9 lb 8 oz)
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
Ingress Protection	IP66
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), Wire bracket (1), Bolts (2), Power supply connector (1), I/O harness (1), Harnes band (1), Band mount (1)

*1 Default setting: OFF
*2 Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)
*3 When using DynaView technology, the maximum frame rate becomes 15 fps

SYSTEM CONFIGURATION

DIMENSIONS

Unit: mm (inches)

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