SNC-CX600W

Network Fixed HD Camera – C Series

SONY
make.believe

720p/30fps Wireless Network Camera with White-light LED Illuminators Powered by IPELA ENGINE™ EX Technology

- Maximum resolution of 1280 x 720 pixels with the Exmor® CMOS sensor
- Wide horizontal viewing angle of 120°
- White-light LED Illuminators for clear color images in low-light conditions
- Voice Alert function by a built-in speaker
- Passive IR (PIR) sensor for motion detection and control of camera security functions
- Edge Storage for onboard recording with a micro SD/SDHC card
- WPS (Wi-Fi Protected Setup), Wi-Fi Certified, and WMM (Wi-Fi Multimedia) for easy, reliable, and stable wireless network operation
- Image Stabilizer to help minimize the effect of camera shake or vibration to achieve less blurry images

SNC-CX600W with Wi-Fi module

KEY FEATURES

- IPELA ENGINE™ EX signal processing system developed based on Sony's unique signal processing and intelligent video analytics technologies to provide unique features such as XDNR® and DEPA™ Advanced technologies

  IPELA ENGINE EX

- White-light LED Illuminators to capture clear color images at a distance of up to 10 feet (3 m), even in complete darkness of 0 lx

- Voice Alert function to play back a warning message through a built-in speaker when the PIR sensor detects a moving object

- Passive IR (PIR) sensor to detect an object in motion, and then trigger an alarm to activate the camera's security functions such as white-light LED illuminators, Voice Alert, Edge Storage, and email notification

- Edge Storage function to record video and audio data* with a micro SD/SDHC card attached to the camera

  * Up to 500 data files can be stored in the memory card. If more than 500 files are recorded, old ones are automatically overwritten with new ones.

- WPS (Wi-Fi Protected Setup) standard for easy wireless network security setting, requiring a simple touch of a camera button

  Wi-Fi PROTECTED SETUP

- Wi-Fi Certified and IEEE802.11b/g/n standard to guarantee interoperability with other manufacturers' certified network devices

  Wi-Fi CERTIFIED®

- WMM (Wi-Fi Multimedia) standard to ensure QoS (Quality of Service) for stable network transmission

- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images with virtually no motion blur under low illumination

- Picture mode selectable from a range of camera scenes in the setting menu to optimize picture quality in various applications

- VBR (variable bitrate) or CBR (constant bitrate) compression mode selectable to correspond with various network conditions

- Built-in HTML viewer compatible with most Smartphones

- Image Stabilizer to help minimize the effect of camera shake or vibration to achieve less blurry images

- DEPA Advanced Intelligent Video Analytics to trigger an alarm based on user-defined rules

  DEPA Advanced

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

- Built-in speaker and microphone

  ONVIF

- Supplied camera stand and Wi-Fi module

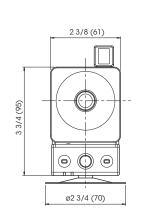SNC-CX600W with a camera stand, Wi-Fi module, and micro SD card*
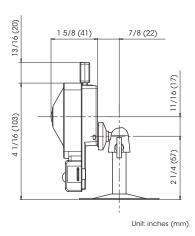
* A micro SD card is not included with the camera.

IPELA™

SPECIFICATIONS

	SNC-CX600W
Camera	
Image Sensor	1/4-type progressive scan Exmor CMOS sensor
Number of Effective Pixels	Approx. 1.3 Megapixels
Minimum Illumination (50 IRE)	Color: 1.0 lx (F2.0, VE OFF, AGC MAX, 1/30 s, 30 fps)
Minimum Illumination (30 IRE)	Color: 0.5 lx (F2.0, VE OFF, AGC MAX, 1/30 s, 30 fps)
Dynamic Range	More than 60 dB
Gain	Auto
Shutter Speed	1/1 s to 1/10,000 s
Exposure Control	Exposure compensation, AGC, Shutter speed
White Balance	ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual
Lens	Fixed lens
Horizontal Viewing Angle	120°
Vertical Viewing Angle	64.0°
Focal Length	f = 1.83 mm
F-Number	F2.0
Minimum Object Distance	500 mm
White-light LED Illuminator	Yes
LED Working Distance	3 m
Camera Features	
Wide-D	View-DR LT-C
Tone Correction	Visibility Enhancer (VE)
Noise Reduction	XDNR Technology
Image Stabilizer	Yes
Picture Mode	Yes
Privacy Masking (number)	20
Privacy Masking (shape)	Quadrangle formed by any four corner points
Privacy Masking (color/effect)	Opaque 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, Magenta, Gray (6 scales)), Mosaic
Edge Storage	Yes
Memory Size for Pre/Post Buffer	Approx. 8 MB
Compatibility with Cloud Service	Yes
Voice Alert	Yes
Superimpose Number	3 independent positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independent position for logo marks
Superimpose Language	English
Menu Language	English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai
Smartphone viewer	Yes
Video	
Resolution	1280 x 720, 1024 x 576, 720 x 576 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 180 (H.264, JPEG)
Compression Format	H.264 (High/Main/Baseline Profile), JPEG
Maximum Frame Rate	H.264: 30 fps (1280 x 720)
	JPEG: 30 fps (1280 x 720)
Bitrate Compression Mode	CBR/VBR (selectable)
Range of Bitrate Setting	64 Kbps to 8 Mbps
Solid PTZ	Yes
Bandwidth Control	JPEG
Multi Streaming Capability	Triple streaming
Number of Clients	5
Intelligent Video Analytics	
Analytics Architecture	DEPA Advanced
Intelligent Motion Detection	Yes
Face Detection	Yes
Tamper Alarm	Yes
Scene Analytics	Passing, Intrusion, Left Object Detection, Removed Object Detection
Audio	
Compression Format	G.711/G.726/AAC (16 kHz, 48 kHz)
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
	Windows® 8 Pro (32/64 bit)
	Microsoft® DirectX 9.0c or higher
Processor	Intel Core2 CPU 6420 2.13 GHz or higher
Memory	2 GB or more
Web Browser	Microsoft® Internet Explorer® Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver 10.0
	Firefox® Ver. 19.02 (plug-in free viewer only)
	Safari® Ver. 5.1 (plug-in free viewer only)
	Google Chrome® Ver. 25.0 (plug-in free viewer only)

	SNC-CX600W
Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, SMTP, IPv6, HTTPS, SNMP (v1, v2c, v3), SSL
QoS	DSCP, Wi-Fi Multimedia
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S
Wireless Network	IEEE802.11b/g/n
Wi-Fi Certified	Yes
Wi-Fi Protected Setup	Yes (WPS)
Authenticatoin	Wireless: No, Wired: IEEE802.1X
Interface	
Microphone Input	Built-in microphone
Line Output	Built-in speaker
Network Port	10BASE-T/100BASE-TX (RJ-45)
Card Slots	micro SD
Confirmed SD Card Type	SDHC (no support for SDXC)
General	
Power Requirements	DC 5 V
Power Consumption	5.0 W max.
Operating Temperature	Wired: 32°F to 122°F (0°C to 50°C) Wireless: 32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to +140°F (-20°C to +60°C)
Operating Humidity	20% to 80%
Storage Humidity	20% to 95%
Dimensions (W x H x D)	Approx. 2 13/32 inches x 3 3/4 inches x 1 5/8 inches (61 mm x 95 mm x 41 mm)
Weight	Approx. 3.9 oz (110 g)
External Material	PC (polycarbonate)
External Color	White
Fire Retardant	UL94HB or higher
Safety Regulations	JATE, UL2044, IEC60950-1, VCCI Class B, FCC Class B, IC Class B, EN55022 (Class B) + EN50130-4, EN55022 (Class B) + EN55024, EN60950-1 EN62311, EN300 328 EN301489-17 EN301489-1, AS/NZS CISPR22 (Class B), AS/NZS 4286, GB4943, (IEC60950) + GB9254 (CISPR22), SRRC, CNS14336 (IEC60950-1) + CNS13438 (CISPR22), RCM, Russia EAC, KCC
Supplied Accessories	Wi-Fi module (1)
	AC adapter (1)
	Power code (1)
	Camera stand (1)
	Screws (3)
	Installation Manual (1)
	Quick start guide (1)
	Warranty card (1)
	Safety regulations for network camera (1)
	Safety regulations for USB wireless LAN module (1)

* SSM (Source Specific Multimedia) is supported.

DIMENSIONS

2 3/8 (61)

3 3/4 (95)

ø2 3/4 (70)

13/16 (20)

1 5/8 (41)   7/8 (22)

4 1/16 (103)

11/16 (17)

2 1/4 (57)

Unit: inches (mm)