SONY

SNC-CX600W

720p/30 fps Wireless Network
Camera with White-lite LED
Illuminators Powered by IPELA
ENGINE EX™ - C Series

Overview

Protect offices, restaurants and small business premises with this affordable, discreet wireless IP network camera that's easy to install and offers crisp HD picture quality.

Find out here how to monitor a whole scene in HD quality with the latest IPELA C Series Security Camera (https://www.youtube.com/watch?v=wul3-Z_P3mw)

It's easier than ever for small business owners to monitor their premises round the clock against the risk of intrusion and disturbances.

The SNC-CX600W is a compact, affordable wireless security camera that's ideal for safeguarding offices, restaurants, hotels and other small business premises.

Offering crisp, clear HD 720p picture quality, the SNC-CX600W includes many of the core imaging technologies featured in Sony's latest generation of video security camera range. Powered by the acclaimed IPELA ENGINE EX signal processing platform, you'll enjoy excellent imaging quality plus intelligent analytics.

The discreet, smartly styled fixed camera surveys the scene with a wide (120°) horizontal viewing angle. A passive infrared (PIR)

sensor can detect a subject with a higher temperature than the room temperature in the camera's field of view in total darkness, illuminating surroundings automatically with a white LED or when activated by the user. The PIR sensor can also trigger other actions, like recording on optional memory card, giving voice alerts via the built-in speaker or sending an email notification.

Set-up is quick and easy: wireless operation means that no networking cables are required, making installation even simpler for homes and small businesses. HD video can be streamed over IP networks and also saved to the camera's on-board micro SD memory card for later review.

Features

Survey the whole scene with HD quality
The fixed camera's fixed lens covers entrances, doorways, public areas and store rooms with a wide (120°) horizontal angle of view. The high resolution Exmor CMOS sensor assures crisp HD (1280 x 720) video images.

Best-ever imaging performance with IPELA ENGINE EX
Excellent imaging performance is assured by the inclusion of core technologies featured in the latest generation of video security camera range. Powered by the IPELA ENGINE EX signal processing platform, XDNR (Excellent Dynamic Noise Reduction) and Visibility Enhancer ensure clearer low-light images; DEPA Advanced analytics can trigger alarms based on user-determined rules.

Always ready for action, even in the dark
The passive infrared (PIR) sensor can detect a subject with a higher temperature than the room temperature in the camera's field of view in total darkness, switching on white-light LED illuminators that capture clear colour images up to a distance of 3m from the camera. The sensor can also activate a range of

other functions, such as triggering a voice alert, starting recording or sending an email notification.

More stable images

The in-built image stabiliser helps reduce the effects of camera shake for crisper, clearer images with reduced blur.

Easy wireless networking, fewer cables

On-board Wi-Fi simplifies installation by eliminating the need for dedicated network cables. IP video is streamed wirelessly over your wireless network. WPS (Wi-Fi Protected Setup) allows easy wireless network security set-up at the touch of a button. WMM (Wi-Fi Multimedia) standards ensure reliable QoS (Quality of Service) for stable network transmission.

Automatic recording

Video images can be recorded directly to an optional micro SD card (not included) for later analysis. Recording can be started manually, or automatically via an alert triggered by the passive infrared (PIR) sensor, or integrated analytics.
Search, playback and export from the SD card is available directly via the web browser interface when using Internet Explorer®

Hear and be heard

The camera's built-in microphone and loudspeaker enable two-way audio communication – ideal for use as an intercom. In addition, the passive infrared sensor can trigger playback of a pre-recorded Voice Alert message through the speaker when motion is detected.

Small, stylish and discreet

The camera's compact profile blends discreetly into a wide range of commercial environments.

ONVIF (Open Network Video Interface Forum) compliance

Support for ONVIF simplifies integration with a wide range of VMS

platforms and hardware, providing video streaming and camera control. ONVIF (Open Network Video Interface Forum) defines a common protocol for the exchange of information between network video devices, including automatic device discovery and video streaming.

Specifications

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)
S/N Ratio (Gain 0 dB)	More than 60 dB
Gain	Auto
Shutter Speed	1/1 s to 1/10,000 s
Exposure Control	Exposure compensation, 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
Zoom Ratio	Digital zoom 4x Total zoom 4x
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(2)
LED Working Distance	3 m

Camera Features

Image rotate	90°, 270°
Mirroring	Yes
Wide-D	View-DR LT-C
Tone Correction	Visibility Enhancer

Noise Reduction	XDNR
Image Stabilizer	Electronic
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
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 a logo mark
Superimpose Language	English
	English, Japanese, Chinese

Menu Language	(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 Control Mode	CBR/VBR (selectable)
Range of Bit Rate Setting	64 Kbps to 8 Mbps
Solid PTZ	Yes
Adaptive Rate Control	H.264
Bandwidth Control	JPEG
Multi streaming	Yes (3)

Capability	
Number of Clients	5

Intelligent Video/Audio Analytics

Analytics Architecture	DEPA Advanced
Intelligent Motion Detection	Yes
Face Detection	Yes
Tamper Alarm	Yes
Scene Analytics	Passing, Appearance, 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) Windows 8.1 Pro (32/64 bit)
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, Ver. 11.0 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 toolbox	Yes
SNC toolbox mobile	Yes

Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, SMTP over HTTP, IPv6, HTTPS, FTP (client), SNMP (v1, v2c, v3), SSL *SSM (Source Specific Multicast) is supported.

Number of IP Address/Mac ADDRESS	1
QoS	DSCP, Wi-Fi Multimedia
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S, Profile T
Wireless Network	Yes (IEEE802.11b/g/n)
Wi-Fi Certified	Yes
Wi-Fi Protected Setup (WPS)	Yes
Authentication	Wireless, 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 SDXC)

General	
Power Requirements	DC 5 V
Power Consumption	5.0 W max.
Operating Temperature	Wired: 0°C to 50°C (Wireless: 0°C to 40°C) Wired: 32°F to 122°F (Wireless: 32°F to 104°F)
Storage Temperature	-20 °C to + 60 °C -4 °F to + 140 °F
Operating Humidity	20 % to 80 %
Storage Humidity	20 % to 95 %
Dimensions *1	Approx. 61 mm(w) x 95 mm(H) x 41 mm(D) Approx. 2 13/32 inches x 3 3/4 inches x 1 5/8 inches
Mass	Approx. 110 g Approx. 3.9 oz
External Material	PC (Polycarbonate)
External Color	Munsell 6.8PB 9/0.88
Fire Retardant	UL94HB or higher
	JATE Technical Standard (LAN)

Safety Regulations	UL2044, IEC60950-1 （CB） VCCI Class B, FCC Class B, IC Class B Emission: EN55022 (Class B) + EN50130-4 Immunity: EN55022 (Class B) + EN55024 Emission: AS/NZS CISPR22 (Class B) KCC EMC-TR
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)

Notes

*1	The values for dimensions are approximate.

Related products

UNI-XBS1/T

Silver bracket for SNC-CH110S and SNC-CH210S

Gallery