

## 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 \(https://www.youtube.com/watch?v=wul3-Z\\_P3mw\)](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<br>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<br>(number)         | 20  |
| Privacy Masking<br>(shape)          | Quadrangle formed by any four corner points   |
| Privacy Masking<br>(color/effect)   | Opaque 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, Magenta, Gray (6 scales)), Mosaic                                     |
| Edge Storage                        | Yes   |
| Compatibility with<br>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<br>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)<br>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

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Number of Clients      5

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## Intelligent Video/Audio Analytics

Analytics Architecture    DEPA Advanced

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Intelligent Motion  
Detection                      Yes

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Face Detection              Yes

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Tamper Alarm                Yes

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Scene Analytics              Passing, Appearance, Left Object  
Detection, Removed Object  
Detection

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## Audio

Compression Format        G.711/G.726/AAC (16 kHz, 48 kHz)

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## System Requirements

Operating System            Windows XP (32 bit) Professional  
Edition  
Windows Vista (32 bit) Ultimate,  
Business Edition  
Windows 7 (32/64 bit) Ultimate,

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|                    |   |
|--------------------|---|
|                    | Professional Edition<br>Windows 8 Pro (32/64 bit)<br>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<br>Firefox Ver. 19.02 (plug-in free viewer only)<br>Safari Ver. 5.1 (plug-in free viewer only)<br>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<br>*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)<br>Wired: 32°F to 122°F (Wireless: 32°F to 104°F)   |
| Storage Temperature   | -20 °C to + 60 °C<br>-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)<br>Approx. 2 13/32 inches x 3 3/4 inches x 1 5/8 inches |
| Mass                  | Approx. 110 g<br>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

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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)

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## Notes

\*1

The values for dimensions are approximate.



## Gallery

