

SNC-CX600

720p/30 fps 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 IP network camera that's easy to install and offers crisp HD picture quality.

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-CX600 is a compact 'all in one' security camera that includes passive sensor, LED illuminator, speaker/microphone and edge recording functions in an affordable integrated package. It's ideal for safeguarding offices, restaurants, hotels and other small business premises.

Offering crisp, clear HD 720p picture quality, the SNC-CX600 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.

Integration with standard wired Ethernet networks is simple: for extra flexibility, the camera is powered via PoE (Power over Ethernet). 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 IP network connectivity

The camera connects with standard wired Ethernet networks. For simple and tidy installation, the camera is powered via PoE (IEEE802.3af), eliminating the need for additional power cables.

Automatic recording

Video images can be recorded directly to an optional micro SD card (not included) for later analysis. Edge recording can be started manually, automatically via an alert triggered by the passive infrared (PIR) sensor, in response to temporary network disconnection or tampering, by 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
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Number of Effective Pixels	Approx. 1.3 Megapixels
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Minimum Illumination (50 IRE)	Color: 1.0 lx (F2.0, VE Off, AGC Max, 1/30 s, 30 fps)
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Minimum Illumination (30 IRE)	Color: 0.5 lx (F2.0, VE Off, AGC Max, 1/30 s, 30 fps)
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S/N Ratio (Gain 0 dB)	More than 60 dB
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Gain	Auto
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Shutter Speed	1/1 s to 1/10,000 s
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Exposure Control	Exposure compensation, Shutter speed
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White Balance	ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual
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Lens	Fixed lens
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Zoom Ratio	Digital zoom 4x
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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
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 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 Capability Yes (3)

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
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S, Profile T
Authentication	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	IEEE 802.3af compliant (PoE) Class *
Power Consumption	5.0 W max.
Operating Temperature	0°C to +50°C 32°F to 122°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
Safety Regulations	JATE Technical Standard (LAN) 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	Camera stand (1) Screws (3) Installation Manual (1) Warranty card (1) Safety regulations for network camera (1)
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Notes

*1	The values for dimensions are approximate.
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Gallery

