

SNC-WL862

Multi-Sensor Adjustable Dome Network Camera



Overview

Capture high-resolution images at every angle

The SNC-WL862 Multi-Sensor Adjustable Dome Network Camera captures very-high-quality video images with a total resolution of 20 megapixels via four independent CMOS sensors and remote-focus lenses. This allows the camera to view four different regions simultaneously, simplifying installation and lowering costs by reducing the total number of cameras needed.

Offering comprehensive 360-degree video coverage from one camera with a single IP address, the SNC-WL862 is ideal for surveillance and monitoring in areas such as hallway intersections, building corners, garages, parking lots, and shopping malls, where all-round coverage is essential.

Features

Very high 20-megapixel total resolution

Four independent 5-megapixel CMOS sensors with separate remote focus lenses capture very high-quality images with a total resolution of 20 megapixels.

Multi-directional views

The compact dome camera's four independent sensors enable full 360 ° coverage, capturing images from every angle for comprehensive video coverage with four separate views from a single IP address.

See clearly in low light

The SNC-WL862 can capture crisp, low-noise color images in extremely low light conditions, such as at night-time or dusk.

Better images in high-contrast conditions

Wide dynamic range technology ensures evenly exposed video footage, even in harshly lit high-contrast scenes where ordinary cameras struggle to accommodate bright highlights and dark shadow detail.

Day & Night function

The camera's switchable IR-cut filter increases sensitivity for night-time operation.

Smart streaming

Smart Stream management technology is combined with the efficient H.265 compression codec, reducing network bandwidth requirements by up to 90% while maintaining excellent image quality compared with conventional streaming.

In-built microphone

The camera's integrated microphone captures crisp, clear audio.

Resists rain, dust, and tampering

The robust external housing is rated to IP66 and IK10 standards, safeguarding the SNC-WL862 against rain and dust while also offering protection against vandalism and tampering.

Reliable operation in extreme temperatures

Suitable for outdoor operation, the camera can operate over a -40 °F to +122 °F wide temperature range.

Specifications

Camera	
Image Sensor	1/2.8-in Progressive CMOS
Number of image sensors	4
Number of Effective Pixels	Approx. 5.16 Megapixels x 4
Minimum Illumination (50 IRE)	Color: 0.15 Lux @ F1.9
Minimum Illumination (30 IRE)	Color: 0.095 Lux @ F1.9 B/W: 0.005 Lux @ F1.9
Dynamic Range	120 dB
Gain	Auto
Shutter Speed	1/5 s to 1/32,000 s
Exposure Control	Exposure compensation, Shutter speed
Iris	Fixed-iris
White Balance	Auto, Manual
Lens	Built-in varifocal lens
Zoom Ratio	Optical zoom 2.1x Digital zoom 12x Total zoom 25.2x
Easy Focus for Setup	Yes
Horizontal Viewing Angle	88.8 ° to 40.2 °
Vertical Viewing Angle	59.8 ° to 28.6 °
Focal Length	f = 3.7 to 7.7 mm
F-Number	F1.9 to F2.9
Minimum Object Distance	500 mm
Pan/Tilt/Rotation Angle (manual)	"pan — track" 90 to 120 ° each lens 0 ° to 105 ° each lens -90 ° to +90 ° each lens
IR Illuminator	No

Camera Features

Day/Night	Yes
Day/Night linked with Easy Focus	Yes
e-Flip	Yes
Image Rotate	90°, 270°
Mirroring	Yes
Wide-D	WDR
Tone Correction	Visibility Enhancer
Defog Image Processing	Yes
Backlight Compensation	Yes
Highlight Compensation	Yes
Flicker Reduction	Yes
Noise Reduction	3DNR
Image Stabilizer	Electronic
Picture Mode	No
Privacy Masking (number)	5 for same screen
Privacy Masking (shape)	Quadrangle formed by any four corner points
Privacy Masking (color/effect)	Black
Edge Storage	Yes
Voice Alert	No
Vandal Resistant	IK10
Ingress Protection	IP66
Superimpose Number	1 (Video Title, Date & Time) Font and size is selectable
Superimpose Language	English
Menu Language	English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Portuguese, Russian

Video

Resolution	2560 x 1920, 2048 x 1536, 1920 x 1536, 1600 x 1200, 1280 x 960, 800 x 600, 640 x 480, 480 x 360, (H.265) 2560 x 1920, 944 x 704 (H.264, JPEG)
Compression Format	H.265 (Baseline), H.264 (Baseline), JPEG
Maximum Frame Rate	30fps (2560 x 1920) x 4 @ H.265

Bitrate Control Mode	CBR/VBR (selectable)
Range of Bit Rate Setting	20 kbps to 80 Mbps
Multi streaming Capability	Yes, 3 simultaneous streams
Number of Clients	20

Intelligent Video/Audio Analytics

Intelligent Motion Detection	Yes
Face Detection	No
Tamper Alarm	Yes

Audio

Compression Format	G.711/G.726
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System Requirements

Operating System	Windows 8.1 Pro (64 bit) Windows 10 Pro (64 bit)
Processor	Intel Core i7 3.4 GHz or higher
Memory	8 GB or more
Web Browser	Microsoft Internet Explorer Ver. 10, Ver. 11
SNC toolbox	Yes
SNC toolbox mobile	No

Network

Protocols	IPv4, IPv6, TCP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP (client), DHCP, NTP, DNS, PPPoE, CoS, QoS, SNMP (v1, v2c, v3), 802.1X, ARP, SSL, TLS, CIFS/SMB (client)
QoS	DSCP
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S, Profile G
Authentication	IEEE802.1X

Interface

Analog Video Output	No
Analog Monitor Output for Setup	No

Built-in Microphone	Yes
Microphone Input	Mini jack (monaural, 2.2 kΩ, plug-in-power)
Line Input	No
Line Output	Mini jack (monaural)
Network Port	10BASE-T / 100BASE-TX (RJ-45)
Alarm Input (Sensor Input)	x1
Alarm Output	x1
Card Slots	microSD x 1
Confirmed SD Card Type	Max. 256 GB

General

Power Requirements	IEEE 802.3at (PoE) Class 4, AC 24 V ± 10%, 50/60 Hz
Power Consumption	Max 24 W
Operating Temperature	-40°C to 50°C -40°F to 122°F
Cold Start Temperature	-30°C to 50°C -22°F to 122°F
Storage Temperature	-20 °C to + 60 °C -4 °F to + 140 °F
Operating Humidity	20 % to 90 %(no condensation)
Storage Humidity	20 % to 80 %(no condensation)
Dimensions (W x H x D) *1	φ210 x 110.4 mm Ø 210 x 96.7 mm (without cover plate) φ8 1/4 in x 4 3/8 in φ8 1/4 in x 3 3/4 in (without cover plate)
Mass	Approx. 58.55 oz (without top mounting plate) Approx. 3 lb 10 1/2 oz (without top mounting plate) Approx. 69.49 oz (with top mounting plate) Approx. 4 lb 5 7/16 oz (with top mounting plate)
External Material	Upper case: AL Die-cast Lower case: AL Die-cast Dome cover: PC Top mounting plate: AL Die-cast
External Color	Top cover: RAL 9003 Bottom plate: RAL 9003 Top mounting plate: RAL 9003

Safety Regulations	IEC60950-1 (CB), UL60950-1 VCCI (Class A), FCC (Class A), IC (Class A) Emission: EN55032 (Class A) Immunity: EN50130-4 Emission: AS/NZS CISPR32 (Class A) EMC-TR
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Supplied Accessories	Top mounting plate (1) Power & IO cable (1) Screw driver (1) Screw (M6 ×3) Screw (M5 ×3) Screw (M4 ×3) Wall plug (M5 ×3) Safety Regulations (1) Warranty booklet (1) Operating instructions — download site information (1)
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The values for dimensions are approximate.

Gallery

