

# 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, car parks and shopping malls where all-round coverage is essential.

## Features

### **Very high 20 megapixels total resolution**

Four independent 5 megapixels 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 colour 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 wide -40°C - +50°C wide temperature range.

## Specifications

Camera	
Image Sensor	1/2.8" 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

## Camera Features

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	30 fps (2560 x 1920) x 4 @ H.265
Bitrate Control Mode	CBR / VBR (selectable)
Range of Bit Rate Setting	20 Kbps to 80 Mbps

## Video

Multi streaming Capability	Yes 3 simultaneous streams
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Number of Clients	20
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## Intelligent Video / Audio Analytics

Intelligent Motion Detection	Yes
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Face Detection	No
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Tamper Alarm	Yes
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## 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)
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Processor	Intel Core i7 3.4GHz or higher
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Memory	8 GB or more
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Web Browser	Microsoft Internet Explorer Ver. 10, Ver. 11
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SNC toolbox	Yes
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SNC toolbox mobile	No
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## 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)
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QoS	DSCP
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Multicast Streaming Support	Yes
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ONVIF Conformance	Profile S, Profile G
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Authentication	IEEE802.1X
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## Interface

Analog Video Output	No
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Analog Monitor Output for Setup	No
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Built-in Microphone	Yes
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Microphone Input	Mini jack (monaural, 2.2 k $\Omega$ , plug-in-power)
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## Interface

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. 256GB

## 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 inches x 4 3/8 inches φ8 1/4 inches x 3 3/4 inches (without cover plate)
Mass	Approx. 1660 g (without Top mounting plate) Approx. 3 lb 10 1/2 oz (without Top mounting plate) Approx. 1970 g (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 mouting plate: RAL 9003

## General

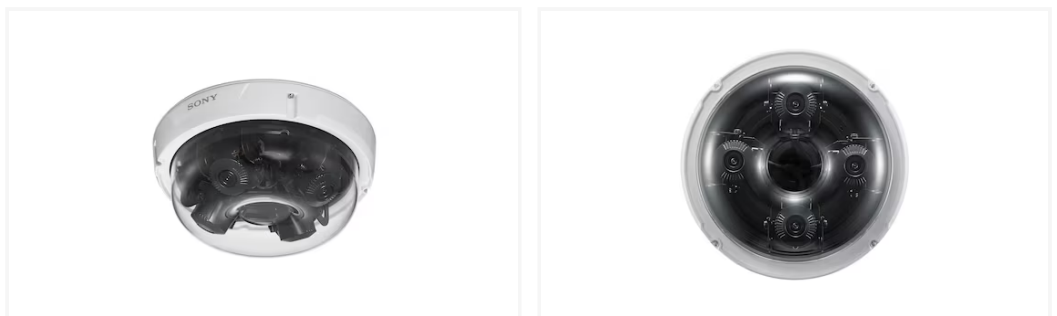
Safety Regulations	IEC60950-1 (CB), UL60950-1 VCCI (Class A), FCC (Class A), IC (Class A) Emission: EN55032 (Class A) Immunity: EN50130-4 Emission: AS/NZS CISPR32 (Class A) EMC-TR
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Supplied Accessories	Top mounting plate (1) Power & IO cable (1) Screw driver (1) Screw (M6 x3) Screw (M5 x3) Screw (M4 x3) Wall plug (M5 x3) Safety Regulations (1) Warranty booklet (1) Operating Instructions - Download site Information (1)
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\*1

The values for dimensions are approximate.

## Gallery



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