Panasonic
BUSINESS

WV-S8530N

i-PRO EXTREME

4 x FHD(8MP) iA H.265 Multi-Sensor Camera

Panasonic WV-S8530N captures the highest quality images in even very challenging and dynamic environments. In particular, the camera can capture clear vehicle image in color even at night intersections of low light intensity. And the four repositionable lenses minimize blind spots and flexibly correspond to intersections of various shapes and monitoring areas of cities. Intelligent Auto (iA) monitors scene dynamics and motion to adjust key camera settings automatically in real-time reducing distortion such as motion blur on moving objects. By adopting H.265 Smart Coding technology, bandwidth efficiency is intelligently increased for longer recording and less storage. Cameras out-of-the-box, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

Extreme image quality for evidence capturing under challenging conditions

- Four repositionable lenses with easy adjustment include a wide range tilt angle mechanism minimizes blind spots
- Sharp and clear images of fast moving vehicles with Intelligent Auto and ClearSight Coating
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 108dB for backlit situations and shadows on night streets
- Environmental durability : IP66, IK10 and Dehumidification device

Extreme bandwidth compression with new Panasonic H.265 Smart Coding

- Reduced the amount of transferred data and less storage space compared to any H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) dynamically detect motion areas to keep vehicles and human in good picture quality while lowering your bandwidth *Region of Interest

Extreme Data Security

- Full encryption SD card edge recording to keep your data safe
- FIPS140-2 CAVP compliant *Using encryption module standardized by FIPS publication 140-2
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration
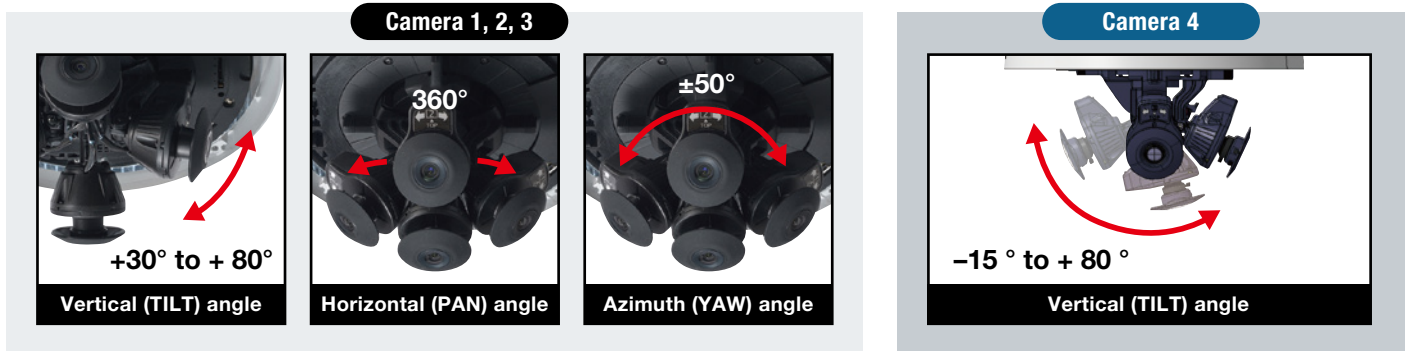
Key Features

- 4 x FHD(8MP) 1600x1200 / 1920x1080 up to 30fps
- iA (intelligent Auto)
- Super Dynamic 108dB
- Color night vision (0.006 to 0.09 lx)
- H.265 Smart Coding
- ClearSight Coating
- Wide range tilt angle adjustment mechanism

Industry examples

- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)

with Base Bracket

Onvif® | GS

Wide range tilt angle adjustment mechanism

Camera 1, 2, 3

360°

±50°

+30° to + 80°
Vertical (TILT) angle

Horizontal (PAN) angle

Azimuth (YAW) angle

Camera 4

−15 ° to + 80 °
Vertical (TILT) angle

*The above is the adjustable range of a single camera. The adjustable range of each camera varies according to the positional relationship with other cameras.

Four repositionable lenses enables to monitoring at minimize blind spots

◉ 270-degree view (Full intersection view)
- One multi sensor camera at intersection corner, It enables monitoring with minimized blind spots
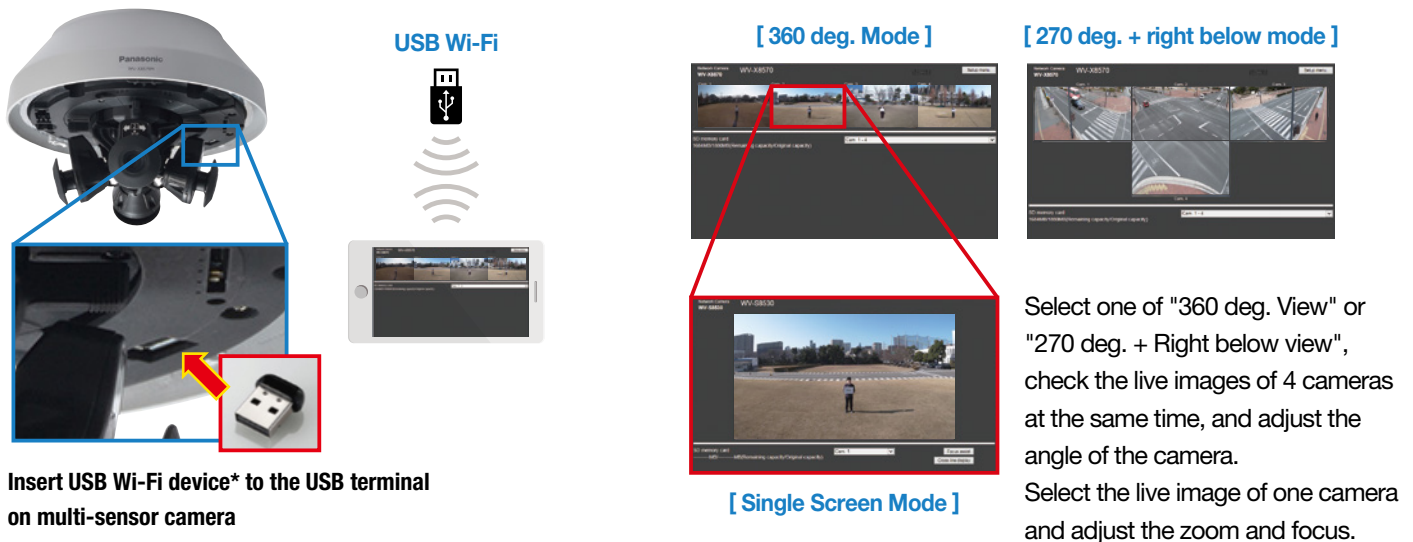- Enables to monitoring even if bottom view angle

270-degree + right below
view angle adjustment
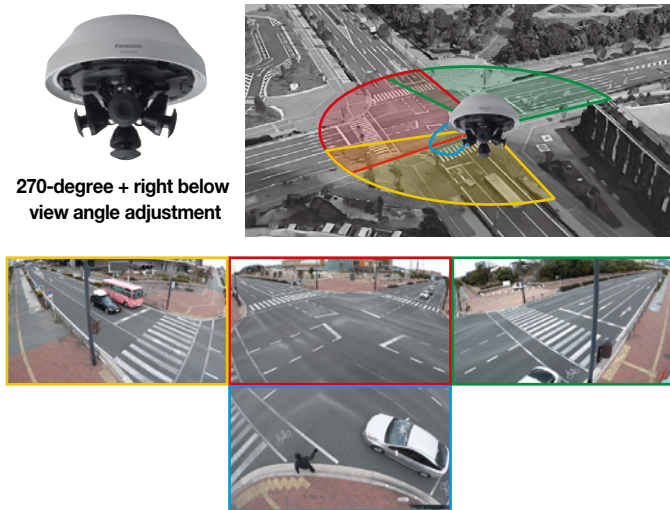
◉ 360-degree view
- One multi-sensor camera enables monitor the park by minimize blind spots

360-degree
view angle adjustment

Usability - Easy setting

◉ Installation time can be reduced by confirming live image and adjusting viewing angle with smartphone or tablet device via Wi-Fi connection.

USB Wi-Fi

Insert USB Wi-Fi device* to the USB terminal
on multi-sensor camera

*Be sure to use a Wi-Fi USB adapter that is checked its operability by Panasonic.

[360 deg. Mode]

[270 deg. + right below mode]

[Single Screen Mode]

Select one of "360 deg. View" or "270 deg. + Right below view", check the live images of 4 cameras at the same time, and adjust the angle of the camera.
Select the live image of one camera and adjust the zoom and focus.

Specifications

Camera	Image Sensor	1/3 type CMOS image sensor
	Minimum Illumination	Color : 0.09 lx, BW : 0.04 lx
		(F2.2, Maximum shutter : Off (1/30s), AGC : 11)
		Color : 0.006 lx, BW : 0.003 lx
		(F2.2, Maximum shutter : max. 16/30s, AGC : 11) *1
	Intelligent Auto	On / Off
	Maximum shutter	Max.1/10000s to Max.16/30s
	Super Dynamic	On / Off, the level can be set in the range of 0 to 31.
	Dynamic Range	Max.108 dB typ. (Super Dynamic : On, level : 31)
	Image Settings	Gain (AGC), White balance
	Image Compensation	Adaptive black stretch, Back light compensation (BLC),
		High light compensation (HLC), Fog compensation,
		Digital noise reduction
	Color/BW (ICR)	Off / On / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Video Motion Detection (VMD)	On / Off, 4 areas available
	Privacy Zone	On / Off (up to 8 zones available)
	Upside-down	On / Off
	Camera Title (OSD)	On / Off Up to 20 characters (alphanumeric characters, marks)
	Adjusting angle	Camera 1, 2, 3 :
		Horizontal (PAN) angle : 360 °
		Vertical (TILT) angle : +30 ° to + 80 °
		Azimuth (YAW) angle : ±50 °
		Camera 4 :
		Horizontal (PAN) angle : 360 °
		Vertical (TILT) angle : −15 ° to + 80 °
		Azimuth (YAW) angle : ±50 °
		*The above is the adjustable range of a single camera.
		The adjustable range of each camera varies according to the
		positional relationship with other cameras.
Lens	Zoom Ratio	1.8x Optical (Manual zoom / Manual focus)
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
	Focal length	3.2 mm – 5.7 mm {1/8 inches - 7/32 inches}
	Maximum Aperture Ratio	1 : 2.2 (WIDE) – 1 : 3.1 (TELE)
	Focus range	1.5 m {4.92 feets} – ∞
	Angular Field of view	[16 : 9] Horizontal : 53 ° (TELE) – 99 ° (WIDE)
	with one lens	Vertical : 30 ° (TELE) – 54 ° (WIDE)
		[4 : 3] Horizontal : 44 ° (TELE) – 81 ° (WIDE)
		Vertical : 33 ° (TELE) – 60 ° (WIDE)
Browser GUI	Camera Control	Brightness
	GUI /	English, Italian, French, German, Spanish, Portuguese, Russian,
	Setup Menu Language	Chinese, Japanese
Network	Network IF	10Base-T / 100Base-TX / 1000Base-T, RJ45 connector
	Resolution	**[16 : 9 mode]** 1920 x 1080 / 1280 x 720 / 640 x 360 / 320 x 180
	with one lens	**[4 : 3 mode]** 1600 x 1200 / 1280 x 960 / 640 x 480 / 320 x 240
	H.265/ Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	H.264*2 Transmission Type	Unicast / Multicast
	JPEG Image Quality	10 steps
	Smart Coding	**GOP (Group of pictures) control :**
		On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off
		*On (Frame rate control) and On (Advanced) are only available with H.265.
		Auto VIQS : On / Off
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP (Server), SMTP, DNS, NTP,
		SNMP, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ
		IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,
		FTP (Server), SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP,
		IGMP, ICMP, ARP, IEEE 802.1X, DiffServ

Network	Maximum concurrent access number	Up to 24 users (Depends on network conditions)
	SDXC/SDHC/SD Memory Card	H.265 / H.264 recording :
		Manual REC / Alarm REC (Pre/Post) / Schedule REC /
		Backup upon network failure
		Compatible SDXC/SDHC/SD card :
		Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB**,
		256 GB**model
		*SDHC card, ** SDXC card (except miniSD card and microSD card)
	Mobile Terminal Compatibility	iPad / iPhone, Android™ terminals
Alarm	Alarm Source	VMD alarm, Command alarm
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification,
		HTTP alarm notification, Indication on browser,
		Panasonic alarm protocol output
General	Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
	EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024
	Power Source and	PoE (IEEE802.3af compliant) Device :
	Power Consumption	DC 48 V 210 mA/Approx. 10.1 W (Class 0 device)
	Ambient Operating	−40 °C to +60 °C {−40 °F to +140 °F}
	Temperature	{Power On range : −20 °C to +60 °C (−4 °F to +140 °F)}
	Ambient Operating Humidity	10 to 100 % (no condensation)
	Water and Dust Resistance	IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant
	Shock Resistance	IK10 (IEC62262)
	Dimensions	**When using the attachment plate only :**
		ø230 mm x 196 mm (H) {ø9-1/16 inches x 7-23/32 inches (H)},
		Dome radius 80 mm {3-5/32 inches}
		When using the base bracket :
		ø230 mm x 232 mm (H) {ø9-1/16 inches x 9-1/8 inches (H)},
		Dome radius 80 mm {3-5/32 inches}
	Mass (approx.)	**When using the attachment plate only :** Approx. 2.7 kg {5.95 lbs}
		When using the base bracket : Approx. 3.2 kg {7.05 lbs}
	Finish	Main body : Aluminum die cast, Light gray,
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)
		Dome cover : Polycarbonate resin (with ClearSight coating), Clear

*1 Converted value
*2 H.265/H.264 can be selected for each stream.

Appearance

Unit : mm (inches)

ø164(6-15/32")

ø155(6-3/32")

CTG22 or G3/4

430 (16-15/16")

265 (10-7/16")

18.5 (23/32")

41.5 (1-5/8")

232(9-1/8")

196(7-23/32")

SR80 (3-5/32")

ø230(9-1/16")

<With Base bracket>

<With Attachment plate>

<With Base bracket>

83.5 ±0.2 (3-9/32")

120(4-23/32")

46 ±0.2(1-13/16")

<With Attachment plate>

<Removing the dome>
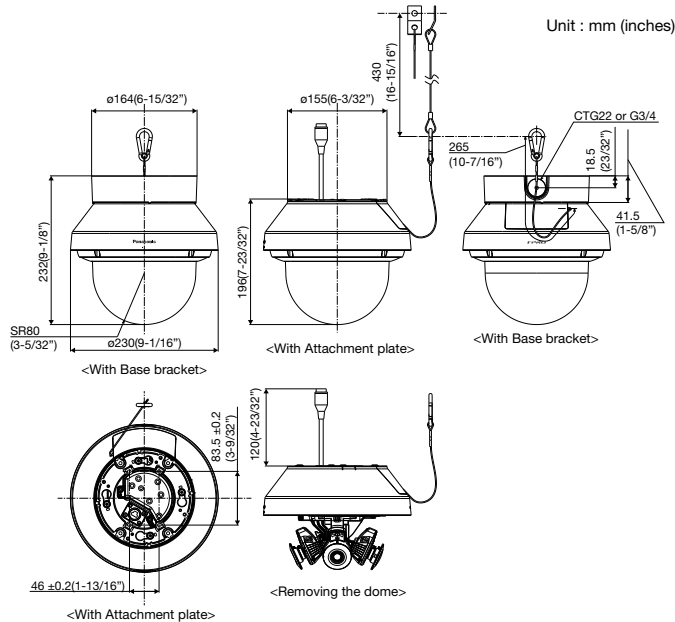
Optional Accessories

■ Mount Bracket

Wall Mount Bracket **WV-Q185** (Light gray) Different Color Model WV-Q122A (Fine silver) (Use with the WV-Q187.)	Mount Bracket **WV-Q187** (Light gray) (These brackets are used with WV-Q185 or WV-Q122A.)
Pole Mount Bracket **WV-Q182** (Light gray) Different Color Model WV-Q188 (Fine silver) (These brackets are used with WV-Q185 or WV-Q122A.)	Corner Mount Bracket **WV-Q183** (Light gray) Different Color Model WV-Q189 (Fine silver) (These brackets are used with WV-Q185 or WV-Q122A.)

• The brackets are available in two colors, Light gray and Fine silver.
  It is possible to use them in the different color combination.

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Important
– Safety Precaution : Carefully read the Basic Information, Installation Guide and
  Operating Instructions before using this product.
– Panasonic cannot be responsible for the performance of the network and/or
  other manufacturers' products used on the network.

• Masses and dimensions are approximate.   • Specifications are subject to change without notice.

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