

## Full HD Outdoor Dome Network Camera

Panasonic WV-U2530L captures the highest quality images in even very challenging and dynamic environments. 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.

### Extreme image quality allows evidence to be captured even under challenging conditions

- Auto Shutter speed control for fast moving vehicles
- Sharp and clear images of a walking person day & night
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 120dB for backlit situations involving headlights and shadows on night streets
- Environmental durability : IP66, IK10 compliant and Dehumidification device

### Extreme bandwidth compression with Panasonic H.265 Smart Coding

- Longer recording and less storage compared to any H.264 based compression techniques
- Self-learning ROI\* encoding (Auto VIQS) detects movement within the image and compresses the areas with little motion in order to reduce transmitted data while maintaining the quality of the image.

\*Region of Interest

### Key Features

- Full HD 1080p up to 30fps
- iA (intelligent Auto)
- Super Dynamic 120dB
- Color night vision (0.006 to 0.1 lx)
- H.265 Smart Coding
- Corridor mode  
(90 degrees or 270 degrees in image rotation)
- Onvif Profile G / T

### Industry examples

- Safe Cities
- Transportation (Airport / Train, Subway station)
- Bank (ATM, Entrance)
- Retail / Logistics / Education / Hospital / Building



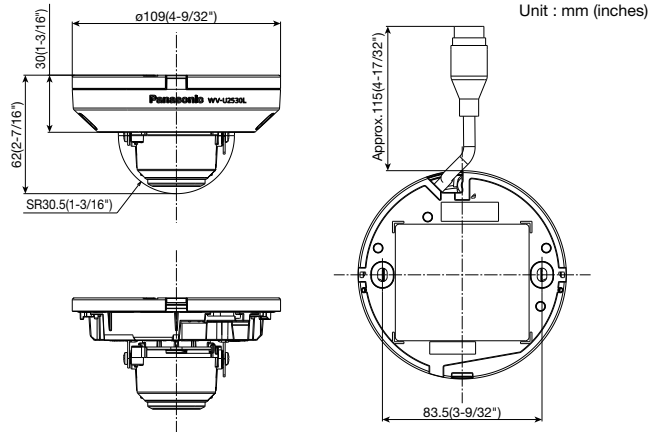
# Specifications

<b>Camera</b>	Image Sensor	Approx. 1/3 type CMOS image sensor																		
	Minimum Illumination	Color : 0.1 lx, BW: 0.04 lx (50IRE, F2.0, Maximum shutter: Off (1/30s), AGC: 11) BW : 0 lx (50IRE, F2.0, Maximum shutter: OFF (1/30 s), AGC: 11, when the IR LED is lit) Color : 0.006 lx, BW: 0.0025 lx (50IRE, F2.0, Maximum shutter: max. 16/30s, AGC: 11) *1																		
	White Balance	ATW1/ ATW2/ AWC																		
	Maximum shutter	<b>[30fps mode]</b> Max. 1/10000 s to Max. 16/30 s <b>[25fps mode]</b> Max. 1/10000 s to Max. 16/25 s																		
	Intelligent Auto	On / Off																		
	Super Dynamic	On / Off, The level can be set in the range of 0 to 31.																		
	Dynamic Range	Max.120 dB (Super Dynamic: On, Level: 31)																		
	Adaptive Black Stretch	The level can be set in the range of 0 to 255.																		
	Back light compensation / High light compensation	BLC (Back light compensation) / HLC (High light compensation) / Off The level can be set in the range of 0 to 31.																		
	Fog compensation	On / Off, The level can be set in the range of 0 to 8. (only when Intelligent auto / auto contrast adjust: Off)																		
	Maximum gain (AGC)	The level can be set in the range of 0 to 11.																		
	Color/BW (ICR)	Off/ On (IR Light Off)/ On (IR Light On)/ Auto1 (IR Light Off)/ Auto2 (IR Light On)/ Auto3 (SCC)																		
	IR LED Light	High/ Middle/ Low/ Off Maximum irradiation distance: 30 m (Approx. 100 ft)																		
	Digital Noise Reduction	The level can be set in the range of 0 to 255.																		
	Video Motion Detection (VMD)	On / Off, 4 areas available																		
	Scene Change Detection (SCD)	On / Off, 1 area available																		
	Privacy Zone	On / Off, Up to 8 zones available																		
	VIQS	On / Off, Up to 8 zones available																		
	Image rotation *2	0° (Off)/ 90°/ 180° (Upside-down)/ 270°																		
	Camera Title (OSD)	On / Off, Up to 20 characters (alphanumeric characters, marks)																		
<b>Lens</b>	Focal length	3.2 mm (1/8 inches)																		
	Optical zoom	1x																		
	Extra zoom	1.0x - 1.5x (when resolution is 1280x720)																		
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4																		
	Angular Field of View	<b>[16 : 9 mode]</b> Horizontal : 100°, Vertical : 54° <b>[ 4 : 3 mode]</b> Horizontal : 81°, Vertical : 60°																		
	Maximum Aperture Ratio	1 : 2.0																		
<b>Adjusting Angle</b>	Horizontal (PAN) angle:	-175 °~ +175 °, Vertical (TILT) angle: -30 °~ +80 °																		
	Azimuth (YAW) angle:	±100°																		
<b>Browser GUI</b>	Camera Control	Brightness																		
	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese																		
<b>Network</b>	Network IF	10Base-T / 100Base-TX, RJ45 connector																		
	Resolution	<b>[16 : 9 mode]</b> 1920x1080, 1280x720, 640x360, 320x180 <b>[ 4 : 3 mode]</b> 1600x1200, 1280x960, VGA, QVGA																		
	H.265	Constant bit rate / VBR / Frame rate / Best effort																		
	H.265 Transmission Mode	Unicast port(AUTO) / Unicast port(MANUAL) / Multicast																		
	H.265 Transmission Type																			
	Max. frame rate for each stream	<table border="1"> <tr> <th>Single-stream</th> <th>Stream(1)</th> <th>Stream(2)</th> <th>Stream(3)</th> <th>JPEG(1)</th> <th>JPEG(2)</th> </tr> <tr> <td></td> <td>30fps</td> <td>Off</td> <td>Off</td> <td>3fps</td> <td>3fps</td> </tr> <tr> <th>Multi-stream</th> <td>15fps</td> <td>15fps</td> <td>15fps</td> <td>3fps</td> <td>3fps</td> </tr> </table>	Single-stream	Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)		30fps	Off	Off	3fps	3fps	Multi-stream	15fps	15fps	15fps	3fps	3fps
Single-stream	Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)															
	30fps	Off	Off	3fps	3fps															
Multi-stream	15fps	15fps	15fps	3fps	3fps															
JPEG	Image Quality	10 steps																		

<b>Network</b>	Smart Coding	<b>GOP(Group of pictures) control:</b> On(Frame rate control)/ On(Advanced)/ On(Mid.)/ On(Low)/ Off <b>AUTO VIQS:</b> On/ Off
	Audio Compression	—
	Audio transmission mode	—
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, IGMP, ARP, IEE802.1X, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEE802.1X, DiffServ
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)	
SDXC/SDHC/SD Memory Card (Option)	H.265 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure Compatible microSDXC/microSDHC Memory Card: microSD speed class6 or higher Panasonic 32 GB*, 64 GB**model *microSDHC card, **microSDXC card	
Mobile Terminal Compatibility	iPad, iPhone, Android™ terminals	
ONVIF Profile	G / T	
<b>Alarm</b>	Alarm Source	VMD alarm, SCD alarm, Command alarm
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification, Indication on browser, Panasonic alarm protocol output
<b>Input/ Output</b>	Monitor Output(for adjustment)	—
	Audio input	—
	Audio Output	—
	External I/O Terminals	—
<b>General</b>	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 Power Consumption	PoE (IEEE802.3af compliant) Device: DC48 V 100 mA, Approx. 4.8 W (Class 2 device)
	Ambient Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F) {Power On range: -20 °C to +50 °C (-4°F to +122 °F)}
	Ambient Operating Humidity	10 to 100 % (no condensation)
	Dehumidification Device	Temish element
	Water and Dust Resistance*3	IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant
	Shock Resistance	IK10 (IEC 62262)
	Wind Resistance	Up to 40 m/s (approx. 89 mph)
	Dimensions	ø109 mm (W) x 62 mm (H) {ø4-9/32 inches x 2-7/16 inches (H)} Dome radius 30.5 mm (1-3/16 inches)
	Mass (approx.)	270 g (0.60 lbs)
	Finish	Main body : Aluminum die cast / Polycarbonate resin, i-PRO white Outer fixing screws : Stainless steel (Corrosion-resistant treatment) Dome cover : Polycarbonate resin, Clear

\*1 Converted value  
\*2 When "4:3(30fps mode)" or "4:3(25fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be selected.  
\*3 Only when installation work is properly performed according to the Installation Guide and appropriate waterproof treatment is performed.

# Appearance



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# Optional Accessories

Mount Bracket / Dome Cover / Other		
<b>Ceiling Mount Bracket</b> <b>WW-QCL100-W</b> (i-PRO white)	<b>Wall Mount Bracket</b> <b>WW-QWL500-W</b> (i-PRO white)	<b>Adapter Box</b> <b>WW-QJB500-W</b> (i-PRO white)
*For indoor installation only		(This bracket requires WW-QWL500-W.)
<b>Pole Mount Bracket</b> <b>WW-QPL500-W</b> (i-PRO white)	<b>Corner Mount Bracket</b> <b>WW-QCN500-W</b> (i-PRO white)	<b>Dome Cover (Smoke type)</b> <b>WW-QDC500S</b>

- Brackets are available in four colors, Fine silver, Light gray, Gray and i-PRO white. It is possible to use them in different color combinations.

### 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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