

# iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S2110 captures the highest quality images automatically even in very challenging and fast-changing surveillance 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. New industry-leading 144dB dynamic range delivers balanced scene exposure in dynamic and extreme-backlit lighting environments. In addition, color night vision provides outstanding low-light performance with accurate color rendition and saturation from i-Pro's 1/3" sensor, rivaling the performance of costlier 1/2" sensor cameras in the market. Adopting H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to an average 75 percent over H.264 for longer recording and less storage. Cameras out-of-the-box, support full data encryption streaming and is compliant to FIPS 140-2 Level 1 standards to keep your video secured.

## Extreme image quality for evidence capturing under challenging conditions.

- Auto Shutter speed control for fast moving vehicles
- Sharp and clear image of a walking person day & night
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 144dB for backlit situation and shadows on the streets at night

## Extreme H.265 compression with new Smart Coding

- Longer recording, less storage 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
- New "Smart Facial Coding" adds more bandwidth reduction for ID camera applications mainly capturing faces

\* Region of Interest

## Extreme Data Security

- FIPS 140-2 Level 1 compliant
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration

### Key Features

- HD 720p 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.0005 to 0.008 lx)
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant

### Applications

- Airport (Passport control / Security checkpoint / Ticket counter)
- Retail / Bank / Education / Hospital / Building



## Specifications

<b>Camera</b>	Image Sensor	Approx. 1/3 type MOS image sensor
	Minimum Illumination	Color : 0.008 lx, BW : 0.007 lx (F1.6, Maximum shutter : Max. 1/30s, AGC : 11) Color : 0.0005 lx, BW : 0.00044 lx (F1.6, Maximum shutter : Max. 16/30s, AGC : 11) *1
	White Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Shutter Speed	Off(1/30) to 1/10000 *1/30 Fix to 2/100 Fix is available during 30 fps mode only. *2/120 Fix is available during 60 fps mode only.
	Intelligent Auto	On / Off
	Super Dynamic*2	On / Off, the level can be set in the range of 0 to 31.
	Dynamic Range	144 dB (Super Dynamic : On)
	Adaptive Black Stretch	The level can be set in the range of 0 to 255.
	Black light compensation / High light compensation	BLC (Black light compensation) / HLC (High light compensation) / Off (Only when Super dynamic and Intelligent Auto : Off)
	Fog compensation	On / Off (Only when Intelligent Auto : Off)
	Maximum gain (AGC)	The level can be set in the range of 0 to 11.
	Day/Night (Electrical)	Off / On
	Digital Noise Reduction	The level can be set in the range of 0 to 255.
	Video Motion Detection	On / Off, 4 areas available
	Image Stabilizer	On / Off (available only in the 30 fps mode)
	Privacy Zone	On / Off (up to 8 zones available)
	Image rotation*3	0° / 90° / 180° / 270°
	Camera Title (OSD)	On / Off Up to 20 characters (alphanumeric characters, marks)
	Focus Adjustment	Auto back focus / Manual
<b>Lens</b>	Focal length	2.8 - 10 mm (1/8 inches - 13/32 inches)
	Zoom ratio	3.6 x (Manual zoom / Motorized focus)
	Angular Field of View	[16 : 9 mode] Horizontal : 30° (TELE) – 110° (WIDE) Vertical : 17° (TELE) – 59° (WIDE) [4 : 3 mode] Horizontal : 25° (TELE) – 90° (WIDE) Vertical : 19° (TELE) – 66° (WIDE)
	Maximum Aperture Ratio	1 : 1.6 (WIDE) – 1 : 3.4 (TELE)
	Focusing Range	0.3 m (11-13/16 inches) – ∞
<b>Adjusting Angle</b>		Horizontal : -240 to +120°, Vertical : ±85°, Yaw : ±100°
<b>Browser GUI</b>	Camera Control	Brightness, AUX On / Off
	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
<b>Network</b>	Network IF	10Base-T / 100Base-TX, RJ45 connector
	Image Resolution	<b>•1.3 mega pixel [16 : 9] (30/60 fps)</b> 1,280 x 720 / 640 x 360 / 320 x 180 <b>•1.3 mega pixel [4 : 3] (30 fps)</b> 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240
	H.265/ H.264*4	Transmission Mode Constant bit rate / Variable bit rate / Frame rate / Best effort
		Transmission Type Unicast / Multicast
	JPEG	Image Quality 10 steps
	Smart Coding	Smart Facial Coding : On (Smart Facial Coding) / On (Auto VQS) / Off *Smart Facial Coding is only available with Stream(1). GOP (Group of pictures) : On (Advanced) / On (Low) / On (Mid) / Off *On(Advanced) is only available with H.265.

<b>Network</b>	Audio Compression	G.726 (ADPCM) : 32 kbps / 16 kbps, G.711 : 64 kbps, AAC-LC : 64 kbps / 96 kbps / 128 kbps
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, DiffServ
	No. of Simultaneous Users Mobile Terminal Compatibility	Up to 14 users (Depends on network conditions) iPad, iPhone, Android™ mobile terminals
<b>Alarm</b>	Alarm Source	VMD, Command alarm, Audio detection alarm
	Alarm Actions	E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, Panasonic protocol output
<b>Input/ Output</b>	Monitor Output (for adjustment)	VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack An NTSC or PAL signal can be outputted from camera
	Built-in microphone	Nondirectional electret condenser microphone
<b>General</b>	Power Source and Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V / 110 mA / Approx. 5.3 W (Class 0 device)
	Ambient Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Dimensions	ø129.5 mm x 101 mm (H) (ø5-3/32 inches x 3-31/32 inches (H)) Dome radius 40 mm (1-9/16 inches)
	Mass (approx.)	Approx. 560 g (1.23 lbs)
	Finish	Main body : ABS resin, sail white Dome section : Clear acrylic resin

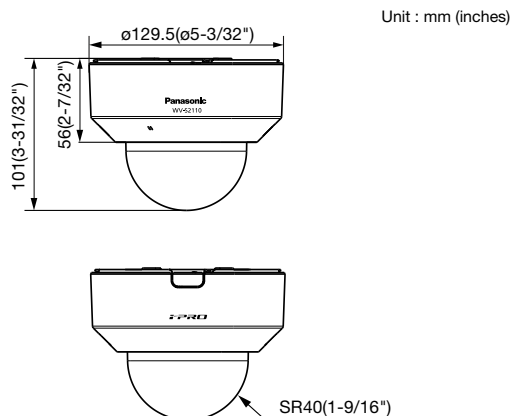
\*1 Converted value

\*2 Super Dynamic function is automatically set off on 60 fps mode.

\*3 When "1.3 mega pixel [4 : 3](30fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be selected.

\*4 Transmission for 4 streams can be individually set.

## Appearance



## Optional Accessories

<b>Ceiling Mount Bracket</b> <b>WV-Q105A</b> 	<b>Embedded Ceiling Mount Bracket</b> <b>WV-Q174B</b> 	<b>Smoke Dome Cover</b> <b>WV-CF55A</b> 
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• Masses and dimensions are approximate. • Specifications are subject to change without notice.

### Important

- Safety Precaution : Carefully read the Important 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.

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