iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S1112 captures the highest quality images automatically even in very challenging and fast-changing surveillance environments. Intelligent Auto (iA) allows the camera to automatically adjust the key settings in real-time depending on the scenery and movement, reducing distortion such as motion blur and 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. The adopted H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to 95%* more than 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.

*Value in Advanced mode with Smart Facial Coding. It depends on the scene.

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 144dB for backlit situations involving headlights and shadows on night streets

Extreme H.265 compression with new Smart Coding

- Longer recording and less storage compared to any H.264 based compression techniques
- New 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.
- New "Smart Facial Coding" adds more bandwidth reduction for ID camera applications mainly capturing faces
  *Region of Interest

Extreme Data Security

- Full encryption SD card edge recording to keep your data safe
- 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 0.007 lx)
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant
- RS485 serial port equipped

Applications

- Public safety (City / Road / Highway / Port)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Education / Hospital / Building

Lens not included

Onvif® | S G

Specifications

Camera	Image Sensor	Approx. 1/2.8 type MOS image sensor
	Minimum Illumination	Color : 0.007 lx, BW : 0.003 lx
		(F1.4, Maximum shutter : Off (1/30s), AGC : 11)
		Color : 0.0005 lx, BW : 0.0002 lx
		(F1.4, 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	1/30 Fix to 1/10000 Fix
		*1/30 Fix to 2/120 Fix is available during 30 fps mode only.
		*1/60 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.
	Back light compensation / High light compensation	BLC (Back light compensation) / HLC (High light compensation) / Off (Only when Super dynamic and Intelligent Auto : Off)
	Fog compensation	On / Off (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 / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Digital Noise Reduction	The level can be set in the range of 0 to 255.
	Video Motion Detection (VMD)	On / Off, 4 areas available
	Intelligent VMD (i-VMD) [*3]	Type 4 *optional plug-in software WV-SAE200
	Stabilizer [*3]	On / Off (available only in the 30 fps mode)
	Privacy Zone	On / Off (up to 8 zones available)
	Image rotation [*4]	0 ° / 90 ° / 180 ° / 270 °
	Camera Title (OSD)	On / Off Up to 20 characters (alphanumeric characters, marks)
	Focus Adjustment	Auto back focus / Manual
Browser GUI	Camera Control	Brightness, AUX On / Off
	Audio	Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High
		Audio Output : On / Off Volume adjustment : Low / Middle / High
	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Network	Network IF	10Base-T / 100Base-TX, RJ45 connector
	Resolution	**•1.3 mega pixel [16 : 9] (30/60 fps)**
	H.265/ H.264	1,280 x 720 / 640 x 360 / 320 x 180
	JPEG (MJPEG)	**•1.3 mega pixel [4 : 3] (30 fps)**
		1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240
	H.265/ H.264 [*5] Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	Transmission Type	Unicast / Multicast
	JPEG Image Quality	10 steps
	Smart Coding	Smart Facial Coding [*3] : On (Smart Facial Coding*) / On (Auto VIQS) / 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.
	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps
		G.711 : 64 kbps
		AAC-LC [*6] : 64 kbps / 96 kbps / 128 kbps
	Audio transmission mode	Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)

Network	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ
		IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	SDXC/SDHC/SD Memory Card (Option)	H.265 / H.264 recording :
		Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure
		JPEG recording :
		Manual REC / Alarm REC (Pre/Post) / Backup upon network failure
		Compatible SDXC/SDHC/SD Memory 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™ mobile terminals
Alarm	Alarm Source	3 terminals input, VMD alarm[*7], Command alarm, Audio detection alarm
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, Panasonic alarm protocol output
Input/ Output	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
	Audio input	ø3.5 mm stereo mini jack
		Input impedance: Approx. 2 kΩ (unbalanced)
		(Applicable microphone : Plug-in power type)
		Supply voltage : 2.5 V ±0.5 V
	Audio Output	ø3.5 mm stereo mini jack (monaural output)
		Output impedance : Approx. 600 Ω (unbalanced)
	External I/O Terminals	ALARM IN 1(Black & white input, Auto time adjustment input) (x1), ALARM IN 2(ALARM OUT) (x1), ALARM IN 3(AUX OUT) (x1)
	RS485 serial port	RS485 compliant (for controlling external devices)
		Camera control protocol : Pelco-D / Pelco-P / Custom
General	Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
	EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55022 ClassB, EN55024
	Power Source and Power Consumption	DC power supply : DC12 V 460 mA, Approx. 5.6 W
		PoE (IEEE802.3af compliant) Device :
		DC48 V 120 mA, Approx. 5.8 W (Class 2 device)
	Ambient Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Dimensions	75 mm (W) x 57 mm (H) x 146 mm (D)
		{2-15/16 inches (W) x 2-1/4 inches (H) x 5-3/4 inches (D)}
		(excluding lens / power cord plug)
	Mass (approx.)	350 g { 0.77 lbs.}
	Finish	Main body : PC / ABS resin (Sail white)

*1 Converted value
*2 Super Dynamic function is automatically set off on 60 fps mode.
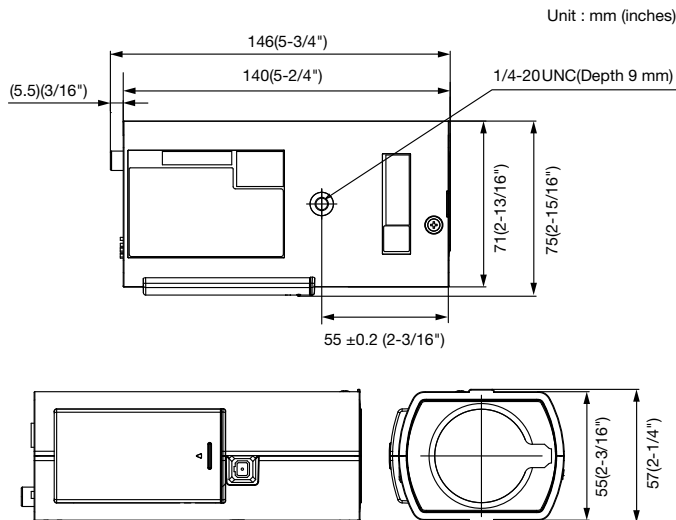*3 Stabilizer, Smart Facial Coding, i-VMD can not be used at the same time.
*4 When "1.3 mega pixel [4 : 3](30fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be selected.
*5 Transmission for 4 streams can be individually set.
*6 Only use AAC-LC (Advanced Audio Coding - Low Complexity) when recording audio on an SD memory card.
*7 Including alarms from Plug-in Software

Appearance

Unit : mm (inches)

146(5-3/4")
140(5-2/4")
(5.5)(3/16")
1/4-20UNC(Depth 9 mm)
71(2-13/16")
75(2-15/16")
55 ±0.2 (2-3/16")
55(2-3/16")
57(2-1/4")

Trademarks and registered trademarks
– iPad and iPhone are registered trademarks of Apple Inc.
– Android is a trademark of Google Inc.
– ONVIF and the ONVIF logo are trademarks or registered trademarks of ONVIF Inc.
– All other trademarks identified herein are the property of their respective owners.

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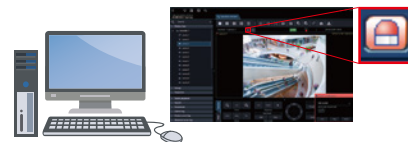
Optional Accessory

Plug-in Software for i-VMD
WV-SAE200
i-VMD is possible to detect objects in the specified area by advanced video analysis technology.
i-VMD : Intruder Detection, Loitering Detection, Direction Detection, Scene Change Detection, Object Detection, Cross Line Detection

Notification sent to the monitoring screen

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.

DISTRIBUTED BY :

Panasonic