



iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S1132 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, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

*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 bandwidth compression with new Panasonic H.265 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
- 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

• Full HD 1080p 60fps

- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.0007 to 0.01 lx)
- H.265 Smart Coding
- RS485 serial port equipped
- i-VMD License Bundled

Industry examples

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

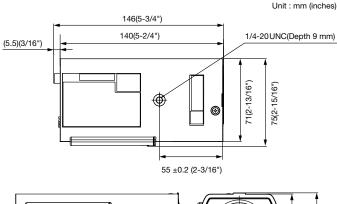




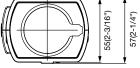
Specifications

	Image Sensor		Approx. 1/2.8 type MOS image sensor
	Minimum Illumination		Color : 0.01 lx, BW : 0.004 lx
	IVIIIIIII	iii iiiaiiiiiaaoii	(F1.4, Maximum shutter : Off (1/30s), AGC : 11)
			Color: 0.0007 lx, BW: 0.0003 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 Intelligent Auto		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.
			On / Off
	Super Dynamic*2		On / Off, the level can be set in the range of 0 to 31.
	Dynamic Range		
	Adaptive Black Stretch		144 dB (Super Dynamic : On)
			The level can be set in the range of 0 to 255.
	Back light compensation /		BLC (Back light compensation) / HLC (High light compensation) / Off
	High light compensation		(only when Super dynamic / 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)		
	Intelligent VMD (i-VMD)*3		Type 4 *Bundled License
	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	vser Camera Control		Brightness, AUX On / Off
GUI	Audio		Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High
			Audio Output : On / Off Volume adjustment : Low / Middle / High
	GUI /		English, Italian, French, German, Spanish, Portuguese, Russian,
	Setup Menu Language		Chinese, Japanese
Network	Network IF		10Base-T / 100Base-TX, RJ45 connector
	Resolution		•2 mega pixel [16 : 9] (30/60 fps)
	H.265/ H.264 JPEG (MJPEG)		1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180
			•3 mega pixel [4 : 3] (30 fps)
			2,048 x 1,536°5 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240
	H.265/	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	H.264*6	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 (Mid) / On (Low) / Off
	Audio C	ompression	GOP (Group of pictures): On (Advanced)*/ On (Mid) / On (Low) / Off *On(Advanced) is only available with H.265.
	Audio C	Compression	GOP (Group of pictures): On (Advanced)*/ On (Mid) / On (Low) / Off *On(Advanced) is only available with H.265. G.726 (ADPCM): 16 kbps / 32 kbps
	Audio C	Compression	GOP (Group of pictures): On (Advanced)*/ On (Mid) / On (Low) / Off *On(Advanced) is only available with H.265. G.726 (ADPCM): 16 kbps / 32 kbps G.711 : 64 kbps
		Compression	GOP (Group of pictures): On (Advanced)*/ On (Mid) / On (Low) / Off *On(Advanced) is only available with H.265. G.726 (ADPCM): 16 kbps / 32 kbps

Appearance







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IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, Network Supported Protocol SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ 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 SDXC/SDHC/SD 14 users (Depends on network conditions) H.265 / H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC / Memory Card (Option) 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**mode *SDHC card, ** SDXC card (except miniSD card and microSD card) iPad, iPhone, Android™ mobile terminals 3 terminals input, VMD alarm¹8, Command alarm, Audio detection alarm Mobile Terminal Compatibility Alarm Alarm Actions SDXC/SDHC/SD memory recording. E-mail notification. HTTP alarm notification Indication on browser, FTP image transfer, Panasonic alarm protocol output VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack Monitor Output Input/ Output An NTSC or PAL signal can be outputted from camera ø3.5 mm stereo mini jack (for adjustment) Audio input 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) ALARM IN 1 (Black & white input, Auto time adjustment input) (x1), External I/O Terminals 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 / Custon Safety General UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1 EMC FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024 DC power supply : DC12 V 460 mA, Approx. 5.6 W PoE (IEEE802.3af compliant) Power Source and Power Consumption Device : DC48 V 120 mA, Approx. 5.8 W (Class 2 device) Ambient Operating -10 °C to +50 °C (14 °F to 122 °F) Temperatu Ambient Operating Humidity 10 to 90 % (no condensation) 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 a { 0.77 ibs.} Main body : PC / ABS resin (Sail white) Finish

- *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 "3 mega pixel [4 : 3](30fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be sele
- *5 Used by super resolution techniques
- *6 Transmission for 4 streams can be individually set.
- 77 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding Low Complexity).
 *8 Including alarms from Plug-in Software

Bundled License

Plug-in Software for i-VMD

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

- 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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