

Preliminary

HD / 1,280 x 720 60 fps H.265 Network Camera featuring *Super Dynamic*

Key Features

- Extreme Super Dynamic technologies deliver 144 dB wide dynamic range
- Intelligent Auto (iA) feature provides increased discernibility even in environments with poor visibility
- High sensitivity with Day/Night (ICR*) function : 0.007 lx (Color), 0.003 lx (B/W) at F1.4
*ICR : IR Cut filter Removal
- H.265 compression and Smart coding technology realize high image quality streaming at low bit rates
- Intelligent Face Compression provides high picture quality at “Face best shot area” while reducing other non-important areas to save the network bandwidth and the disk space of recorder.
- Encryption and alteration detection functions enhanced the security.
- The Easy Kitting Package makes setting camera easy.
- RS485 serial port for controlling external devices equipped. (WV-S1112 only)



Lens : Optional

WV-S1112

Specifications

Camera	Image Sensor	Approx. 1/2.8 MOS image sensor	
	Minimum Illumination	Color : 0.007 lx, BW : 0.003 lx (F1.4, Maximum shutter : Max. 1/30s, Gain : On(High)) Color : 0.0005 lx, BW : 0.0002 lx (F1.4, Maximum shutter : Max. 16/30s, Gain : On(High)) ^{*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} 1/30 Fix to 2/100 Fix is available during 30 fps mode only.	
	Intelligent Auto	On / Off	
	Super Dynamic ^{*2}	On / Off (Only when Intelligent Auto : Off)	
	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)	
	AGC	The level can be set in the range of 0 to 11.	
	Day/Night (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	On / Off, 4 areas available	
	Privacy Zone	On / Off (up to 8 zones available)	
	Camera Title (OSD)	On / Off Up to 20 characters (alphanumeric characters, marks)	
	Focus Adjustment	Auto back focus / Manual / Adjusting method (Auto / Preset / Fix)	
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	
	Image Resolution	*1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 *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 ^{*3}	Transmission Mode : Constant bit rate / VBR / Framerate priority / Best effort Transmission Type : Unicast / Multicast	
	JPEG	Image Quality : 10 steps	
	Smart Coding	Smart Facial Coding : 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) : 32 kbps / 16 kbps, G.711 : 64 kbps, AAC-LC ⁴ : 64 kbps / 96 kbps / 128 kbps	
	Audio 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, 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	Up to 14 users (Depends on network conditions)
Alarm	Alarm Source	3 terminals input, VMD, 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 protocol output
Input/ Output	Monitor Output (for adjustment)	VBS : 1.0 V [p-p] / 75 Ω, composite, RCA jack An NTSC or PAL signal can be outputted from camera
	Microphone/Line Input	ø3.5 mm stereo mini jack (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)
General	External I/O Terminals	ALARM IN 1(DAY/NIGHT IN, Auto time adjustment) (x1), ALARM IN 2(ALARM OUT) (x1), ALARM IN 3(AUX OUT) (x1)
	RS485 serial port (*VV-S1112 Only)	RS485 compliant (for controlling external devices) Camera control protocol : Pelco-D / Pelco-P / Custom
General	Power Source and Power Consumption	DC power supply : DC12 V / 390 mA / Approx. 4.7 W (TBD) PoE (IEEE802.3af compliant) Device : DC48 V / 110 mA / Approx. 5.3 W (Class 2 device) (TBD)
	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

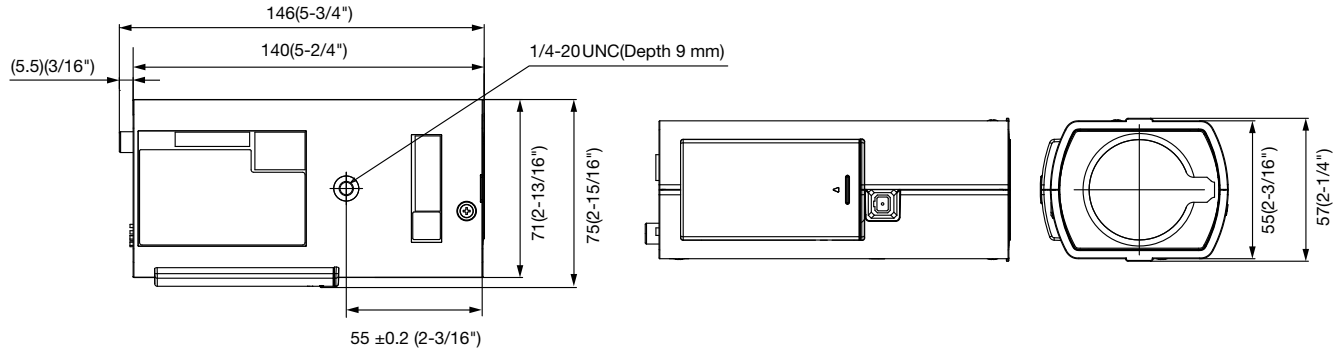
^{*2} Super Dynamic function is automatically set off on 60 fps mode.

^{*3} H.265 / H.264 can be selected for each stream.

^{*4} Only use AAC-LC (Advanced Audio Coding - Low Complexity) when recording audio on an SD memory card.

Appearance

Unit : mm (inches)



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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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