Panasonic BUSINESS

Full HD Rugged Mobile Network Camera WV-SBV131M HD Rugged Mobile Network Camera WV-SBV111M



Full HD / 1,920 x 1,080 H.264 Full HD Rugged Mobile Network Camera (wv-sbv131M) HD / 1,280 x 720 H.264 HD Rugged Mobile Network Camera (wv-sbv111M)

Key Features

- 1080p Full HD images up to 30 fps (WV-SBV131M)
- 720p HD images up to 30 fps (WV-SBV111M)
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Smart coding Technology:
 - Group of Pictures (GOP) control function removes unnecessary information from the frame for realizing efficient encoding.

Auto VIQS (Variable Image Quality on Specified area) function recognizes the no movement area in a video automatically and lowering the resolution of it to reduce the data size.

With the latest bit rate reducing technology, **GOP** control, **Auto VIQS, 3D-MNR** (Multi process Noise Reduction) and **FDF** (Frequency Divided Filter), the network bandwidth and the disk space of recorder can be saved.

- High sensitivity with Day/Night (Electrical) function:
 0.1 lx (Color), 0.06 lx (B/W) at F2.2 (WV-SBV131M)
 0.04 lx (Color), 0.03 lx (B/W) at F2.2 (WV-SBV111M)
- VIQS (Variable Image Quality on Specified area) technology allows the designated eight areas to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- Digital Noise Reduction :
 - **3D-MNR (Multi process Noise Reduction)** ensures noise reduction in various conditions and achieves a low bit rate under low illumination.
- FDF (Frequency Divided Filter): Removing fine noise generated under low illumination to achieve a low bit rate.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Electronic sensitivity enhancement : Auto (Up to 16x) / OFF
- Light control modes:
- ELC (maximum exposure time):

The lightning control will be automatically performed by adjusting shutter speed in the range of ELC.

- 2x, 4x digital zoom controlled by browser
- VMD (Video Motion Detection) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.

- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including VMD and Panasonic alarm command can trigger actions such as FTP image transfer, E-mail notification, Indication on browser, and Panasonic alarm protocol output.
- JPEG Image compression ratio can be changed by alarm so that higher quality image can be provided.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- Fog compensation function equipped as standard.
- HLC (High Light Compensation) technology reduces strong light sources such as vehicle headlights to prevent camera being blinded.
- H.264 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode: H.264 images can be transmitted over HTTP protocol.
- Multi-language: English / Italian / French / German / Spanish / Portuguese / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- ONVIF compliant model
- Low profile design for discrete installation
- "Railway applications Electronics equipment used on rolling stock" compatible with EN50155-T3, EN50121, ECE-R10, EN45545, EN50498
- Wide coverage
- WV-SBV131M [16:9 mode] Horizontal: 109 ° Vertical: 73 ° WV-SBV111M [4:3 mode] Horizontal: 104 ° Vertical: 85 °
- The camera conforms to the IP66, Type 4X (UL50) and IP6K9K, is compliant with NEMA 4X ratings, and provides high dust resistance and waterproof performance.
- Achieves high-level vibration resistance with EN50155 and MIL-STD-810G compliance
- Adoption of a scratch resistant dome cover with a compact and sleek design is optimal for cameras installed on the outside of a vehicle.
- Vandal resistant mechanism for high reliability

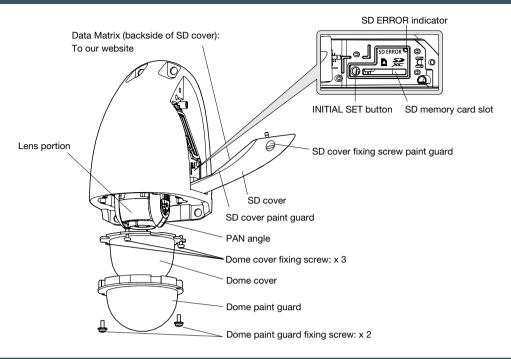
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On SD Da' GU Me Sys	lock Disp one Shot (D Memor		20 characters camera title available.
On SD Da' GU Me Sys	ne Shot (iciy	Up to 20 alphanumeric characters Time: 12H/24H
SD Da' GU Me Sys	D Memor	•	Date : 5 formats on the browser
SD Da' GU Me Sys	D Memor		Summer time (Manual)
Dar GU Me Sys		· ·	A still picture will be displayed on a newly opened window.
GU Me Sys		-	Still or motion Images recorded in the SDXC/SDHC/SD
Me Sys	Data Download GUI/Setup		memory card can be downloaded. English, Italian, French, German, Spanish, Portuguese,
Sys	Menu Language		Chinese, Russian, Japanese
	System Log		Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory
			when the recording format is set to JPEG.) error logs
Sul	Supported OS *2 *3		Microsoft® Windows® 10, Microsoft® Windows® 8.1,
Sul	Supported Browser		Microsoft® Windows® 8, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit)
	Supported Browser		Windows® Internet Explorer® 11 (32 bit) Windows® Internet Explorer® 10 (32 bit)
			Windows® Internet Explorer® 9 (32 bit)
		_	Windows® Internet Explorer® 8 (32 bit)
	etwork IF		10Base-T / 100Base-TX, M12 connector (female)
	nage esolution		•2 mega pixel [16:9] H.264 (1)(2) / JPEG (1)(2)(3)
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			H.264 (3)(4)
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			QVGA / 160 x 120
			H.264 (3)(4)
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			H.264 (3)(4) 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 •1.3 mega pixel [16 : 9] H.264(1)(2)(3)(4) / JPEG (1)(2)(3) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [4 : 3] H.264(1)(2)(3)(4) / JPEG (1)(2)(3) 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120
H.2	.264* ⁴		H.264 (3)(4) 1,280 x 960 / 800 x 600 / VGA / 400 x 300 / QVGA / 160 x 120 •1.3 mega pixel [16: 9] H.264(1)(2)(3)(4) / JPEG (1)(2)(3) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [4: 3] H.264(1)(2)(3)(4) / JPEG (1)(2)(3)

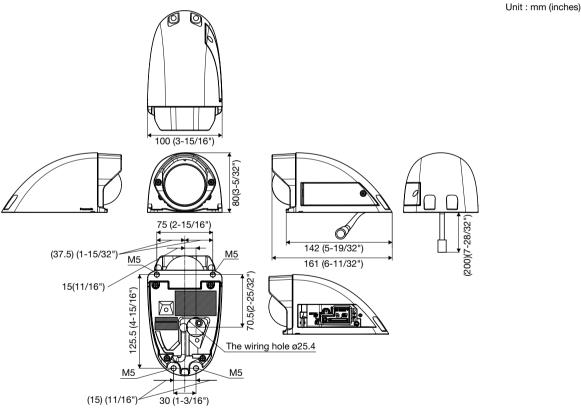
Network	H.264 *4	Bit Rate/	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /			
		Client	4,096 / 6144* / 8,192* / 10,240* / 12,288* / 14,336* / 16,384* /			
			20,480* / 24,576* / 30,720* / 40,960 kbps*			
			* The available range of the H.264 bit rate varies depending on			
			the setting selected for "image capture size".			
		Image Quality	<when best="" bit="" constant="" effort="" is="" or="" rate="" selected=""></when>			
			Low / Normal / Fine			
			<when bit="" is="" rate="" selected="" variable=""></when>			
			0 SUPER FINE /1 FINE /2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9LOW			
			On (Low / Mid / High) / Off (Only when "Variable bit rate" is selected)			
		Transmission Type				
	JPEG	Image Quality	10 steps			
		Refresh Interval	0.1 fps - 30 fps			
		Transmission Type	Pull / Push			
	Total Bit Rate		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 /			
			8,192 kbps / Unlimited			
	Supported	Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP,			
			SNMP, DHCPv6, MLD, ICMP, ARP			
			IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP,			
			SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP			
	FTP Client		Alarm image transmission, FTP periodic transmission			
			(When the FTP transmission is failed, backup on an optional			
			SDXC/SDHC/SD memory card is available.)			
	No. of Simultaneous Users		Up to 14 users (Depends on network conditions)			
	SDXC/SDHC/SD Memory Card(Option)		Manufactured by Panasonic (except miniSD card and microSD card)			
			SDXC memory card : 64 GB, 128 GB			
			SDHC memory card : 4 GB, 8 GB, 16 GB, 32 GB			
			SD memory card : 256 MB, 512 MB, 1 GB, 2 GB			
	Cellular Pho	ne Compatibility	JPEG image			
	Mobile Terminal Compatibility		iPad, iPhone, iPod touch(iOS 4.2.1 or later),			
			Android™ mobile terminals			
Alarm	Alarm Source		VMD, Command alarm			
	Alarm Actions Alarm Log		SDXC/SDHC/SD memory recording, E-mail notification,			
			Indication on browser, FTP image transfer, Panasonic protocol output			
			With SDXC/SDHC/SD memory card: 5,000 logs,			
			without SDXC/SDHC/SD memory card: 1,000 logs			
	Schedule		VMD			
General			<safety></safety>			
			UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1			
			<emc></emc>			
			FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024			
	Power Source and		PoE (IEEE802.3af compliant) /			
	Power Consumption		PoE (Alternative A): 48 V DC: 80 mA /			
			Approx.3.8 W (Class 2 device)			
	Ambient Operating Temperature		-40 °C to +60 °C {-40 °F to 140 °F}			
			(Power On range : -30 °C to +60 °C {-22 °F to 140 °F})			
	Ambient Operating Humidity		10 % to 90 % (no condensation)			
	Impact Protection		Compliant with IK10 (IEC 62262)			
	Water and Dust Resistance		IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant *5			
	Railway Application		EN50155-T3, EN50121, ECE-R10, EN45545, EN50498			
	Dimensions		100 mm {3-15/16 inches} (W), 80 mm {3-5/32 inches} (H),			
			161 mm {6-11/32 inches} (D)			
	Mass (approx.)		Approx. 750 g {1.65 lbs}			
	Finish		Main body : Aluminum die cast, Light gray			
			Dome cover : Polycarbonate resin, Clear (with hard coating)			
	Others		Tamper-resistant dome cover *6			
	10					

- *1 Converted value
- 2 Refer to "Notes on Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 10 or Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7.
- *3 When using IPv6 for communication, use Microsoft® Windows® 10 or Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7.
- $^{\star}4$ Transmission for 2 streams can be individually set in the same compression method.
- *5 Only when installation work specified in this book is properly performed and appropriate waterproof treatment is performed.
- *6 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver

Part Names and Functions



Appearance



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- 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.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.

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