

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.
- 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

Specifications

			1/21 1021
Camera	Image Sen		1/3 type MOS image sensor
	Scanning N Scanning		Progressive 5.28 mm (H) x 3.30 mm (V) {7/32 inches (H) x 1/8 inches (V)}
	Area		4.86 mm (H) x 3.65 mm (V) {3/16 inches (H) x 5/32 inches (V)}
	Minimum Illumination	WV-SBV131M	Color: 0.1 lx (F2.2, Maximum shutter : Off (1/30s), AGC : High) 0.007 lx (F2.2, Maximum shutter : Max. 16/30s, AGC : High) *1
			BW: 0.06 lx (F2.2, Maximum shutter : Off (1/30s), AGC : High)
		WV-SBV111M	0.004 lx (F2.2, Maximum shutter : Max. 16/30s, AGC : High) ¹¹ Color: 0.04 lx (F2.2, Maximum shutter : Off (1/30s), AGC : High)
		WV ODVITIM	0.003 kr (F2.2, Maximum shutter : Max. 16/30s, AGC : High) ¹¹ BW: 0.03 kr (F2.2, Maximum shutter : Off (1/30s), AGC : High)
			0.002 lx (F2.2, Maximum shutter : Max. 16/30s, AGC : High) *1
	White Bala		AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Light Control Mode		ELC / Indoor scene 50 Hz / Indoor scene 60 Hz On / Off
	Wide dynamic range Adaptive Black Stretch		On / Off (only when Wide dynamic range : Off)
	Fog compensation		On / Off (only when Wide dynamic range : Off)
	High light compensation (HLC)		On / Off (only when Wide dynamic range / Back light compensation (BLC): Off)
	AGC		On (High) / On (Mid) / On (Low) / Off
	Maximum shutter		max. 1/10,000 s, max. 1/4,000 s, max. 1/2,000 s, max. 1/1,000 s, max. 1/500 s, max. 1/250 s, max. 1/120 s, max. 1/100 s,
			max. 2/120 s, max. 2/100 s, max. 3/120 s, max. 3/100 s,
			max. 1/30 s, max. 2/30 s, max. 4/30 s, max. 6/30 s,
			max. 10/30 s, max. 16/30 s
	Day/Night (Electrical)		Off / Auto
	Digital Noise Reduction		High / Low
	Video Motion Detection Privacy Zone		On / Off, 4 areas available On / Off (up to 8 zones available)
	VIQS		On / Off (Max. 8 locations)
	Camera Tit	le (OSD)	Up to 20 characters (alphanumeric characters, marks), On / Off
	Focus Adjustment		MANUAL
Lens	Focal Length		1.95 mm {1/16 inches}
	Digital (electronic) zoom Zoom ratio		Choose from 3 levels of x1, x2, x4 x1
	200111000		WV-SBV131M : Extra zoom x3 (16 : 9 mode) / x2.5 (4 : 3 mode)
			WV-SBV111M : Extra zoom x2
	Angular	WV-SBV131M	[16 : 9 mode] Horizontal : 109 ° Vertical : 73 °
	Field of View		[4:3 mode] Horizontal:97 ° Vertical:79 °
		WV-SBV111M	[16 : 9 mode] Horizontal : 104 ° Vertical : 69 °
	F Number		[4 : 3 mode] Horizontal : 104 ° Vertical : 85 ° F2.2
	Focus Distance		0.5 m - ∞
Adjusting			Horizontal : ±170 °, Vertical : ±90 °
			Image tilt adjustment range : -170 ° (Left) to +170 ° (Right)
Browser	Camera Co		Brightness
GUI	Display Mo	de	Spot, Quad: Image from 16 cameras can be displayed in
			4 different Quad screens or 16 split screen (JPEG only). 20 characters camera title available.
	Camera Title		Up to 20 alphanumeric characters
	Clock Display		Time : 12H/24H
			Date : 5 formats on the browser
			Summer time (Manual)
	One Shot C SD Memor		A still picture will be displayed on a newly opened window. Still or motion Images recorded in the SDXC/SDHC/SD
	Data Down	<i>,</i>	memory card can be downloaded.
	GUI/Setup		English, Italian, French, German, Spanish, Portuguese,
	Menu Lang	luage	Chinese, Russian, Japanese
	System Lo	g	Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory
			when the recording format is set to JPEG.) error logs
	Supported	US 12 13	Microsoft [®] Windows [®] 10, Microsoft [®] Windows [®] 8.1, Microsoft [®] Windows [®] 8, Microsoft [®] Windows [®] 7
	Supported Browser		Microsoft® Windows® 8, Microsoft® Windows® 7 Windows® Internet Explorer® 11 (32 bit)
			Windows [®] Internet Explorer [®] 10 (32 bit)
			Windows [®] Internet Explorer [®] 9 (32 bit)
			Windows® Internet Explorer® 8 (32 bit)
Network	Network IF	WAL OD #	10Base-T / 100Base-TX, M12 connector (female)
Network	Image	WV-SBV131M	10Base-T / 100Base-TX, M12 connector (female) •2 mega pixel [16 : 9]
Network		WV-SBV131M	10Base-T / 100Base-TX, M12 connector (female) •2 mega pixel [16 : 9] H.264 (1)(2) / JPEG (1)(2)(3)
Network	Image	WV-SBV131M	10Base-T / 100Base-TX, M12 connector (female) •2 mega pixel [16 : 9]
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Network	Image	WV-SBV131M	10Base-T / 100Base-TX, M12 connector (female) •2 mega pixel [16 : 9] H.264 (1)(2) / JPEG (1)(2)(3) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 H.264 (3)(4) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 •2 mega pixel [4 : 3]
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Network	Image Resolution	WV-SBV111M Transmission	10Base-T / 100Base-TX, M12 connector (female) •2 mega pixel [16:9] H.264 (1)(2) / JPEG (1)(2)(3) 1,920 × 1,080 / 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 H.264 (3)(4) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 •2 mega pixel [4:3] H.264 (1)(2) / JPEG (1)(2)(3) 1,600 × 1,200 / 1,280 × 960 / 800 × 600 / VGA / 400 × 300 / QVGA / 160 × 120 H.264 (3)(4) 1,280 × 960 / 800 × 600 / VGA / 400 × 300 / QVGA / 160 × 120 •3 mega pixel [4:3] * Used by super resolution techniques H.264 (1)(2) / JPEG (1)(2)(3) 2,048 × 1,536 / 1,280 × 960 / 800 × 600 / VGA / 400 × 300 / QVGA / 160 × 120 H.264 (3)(4) 1,280 × 960 / 800 × 600 / VGA / 400 × 300 / QVGA / 160 × 120 •1.3 mega pixel [16:9] H.264(1)(2)(3)(4) / JPEG (1)(2)(3) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 •1.3 mega pixel [4:3] H.264(1)(2)(3)(4) / JPEG (1)(2)(3) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 •1.3 mega pixel [4:3] H.264(1)(2)(3)(4) / JPEG (1)(2)(3) 1,280 × 960 / 800 × 600 / VGA / 400 × 300 / QVGA / 160 × 120 Constant bit rate / Variable bit rate / Framerate priority / Best effort / Advanced VBR

Network	H.264/	Bit Rate/	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /
	MPEG-4*4		4,096 / 6144* / 8,192* / 10,240* / 12,288* / 14,336* / 16,384* /
	IVIPEG-4 4	Client	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
		Transmission Type	Unicast / Multicast
	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 Lisers		Up to 14 users (Depends on network conditions)
	No. of Simultaneous Users		· · · · · · · · · · · · · · · · · · ·
	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 Phone 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
1	Alarm Actio	ons	SDXC/SDHC/SD memory recording, E-mail notification,
			Indication on browser, FTP image transfer, Panasonic protocol output
	Alarm Log		With SDXC/SDHC/SD memory card: 5,000 logs,
			without SDXC/SDHC/SD memory card: 1,000 logs
	Schedule		VMD
General	Safety/EMC Standard		<safety></safety>
General			
General			UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1
General			UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1 <emc></emc>
General			<emc></emc>
General	Power Sou	irce and	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024</emc>
General	Power Sou		<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) /</emc>
General	Power Sou Power Cor		<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA /</emc>
General	Power Cor	sumption	FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device)
General	Power Cor		<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F}</emc>
General	Power Cor Ambient Opera	nsumption ating Temperature	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F})</emc>
General	Power Con Ambient Opera Ambient Ope	asumption ating Temperature erating Humidity	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation)</emc>
General	Power Cor Ambient Opera Ambient Ope Impact Pro	ating Temperature erating Humidity otection	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262)</emc>
General	Power Cor Ambient Opera Ambient Opera Impact Pro Water and D	ating Temperature erating Humidity otection Just Resistance	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant '5</emc>
General	Power Con Ambient Opera Ambient Opera Impact Pro Water and D Railway Ap	ating Temperature erating Humidity otection Just Resistance oplication	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PDE (IEEE802.3af compliant) / PDE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant *5 EN50155-T3, EN50121, ECE-R10*, EN45545*, EN50498*</emc>
General	Power Cor Ambient Opera Ambient Opera Impact Pro Water and D	ating Temperature erating Humidity otection Just Resistance oplication	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F)) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant '5</emc>
General	Power Con Ambient Opera Ambient Opera Impact Pro Water and D Railway Ap	ating Temperature erating Humidity otection Just Resistance oplication	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PDE (IEEE802.3af compliant) / PDE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant *5 EN50155-T3, EN50121, ECE-R10*, EN45545*, EN50498*</emc>
General	Power Con Ambient Opera Ambient Opera Impact Pro Water and D Railway Ap	assumption ating Temperature wating Humidity stection must Resistance oplication s	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant *5 EN50155-T3, EN50121, ECE-R10*, EN45545*, EN50498* 100 mm (3-15/16 inches) (W), 80 mm (3-5/32 inches) (H),</emc>
General	Power Con Ambient Opera Ambient Opera Impact Pro Water and D Railway Ap Dimension	assumption ating Temperature wating Humidity stection must Resistance oplication s	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant '5 EN50155-T3, EN50121, ECE-R10*, EN45545*, EN50498* 100 mm (3-15/16 inches) (W), 80 mm (3-5/32 inches) (H), 161 mm (6-11/32 inches) (D)</emc>
General	Power Con Ambient Opera Ambient Opera Impact Pro Water and D Railway Ap Dimensiona Mass (appu	assumption ating Temperature wating Humidity stection must Resistance oplication s	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 POE (IEEE802.3af compliant) / POE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant '5 EN50155-T3, EN50121, ECE-R10*, EN45545*, EN50498* 100 mm (3-15/16 inches) (W), 80 mm (3-5/32 inches) (H), 161 mm (6-11/32 inches) (D) Approx.750 g (1.65 Ibs) Main body : Aluminum die cast Light gray</emc>
General	Power Con Ambient Opera Ambient Opera Impact Pro Water and D Railway Ap Dimensiona Mass (appu	assumption ating Temperature wating Humidity stection must Resistance oplication s	<emc> FCC Part15 ClassA, ICES003 ClassA, EN55022 ClassB, EN55024 PoE (IEEE802.3af compliant) / PoE (Alternative A) : 48 V DC : 80 mA / Approx.3.8 W (Class 2 device) -40 °C to +60 °C {-40 °F to 140 °F} (Power On range : -30 °C to +60 °C {-22 °F to 140 °F}) 10 % to 90 % (no condensation) Compliant with IK10 (IEC 62262) IP66 (IEC60529), IP6K9K, Type 4X (UL50), NEMA 4X compliant ^{*5} ENS0155-T3, ENS0121, ECE-R10°, EN45545°, EN50498° 100 mm (3-15/16 inches) (W), 80 mm (3-5/32 inches) (H), 161 mm (6-11/32 inches) (D) Approx. 750 g {1.65 lbs}</emc>

*1 Converted value

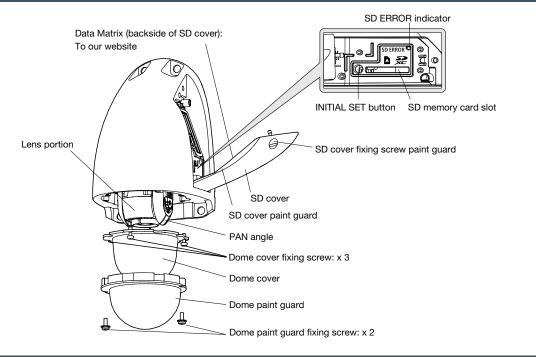
*2 Refer to "Notes on Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 10 or Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7.

*3 When using IPv6 for communication, use Microsoft® Windows® 10 or Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7.

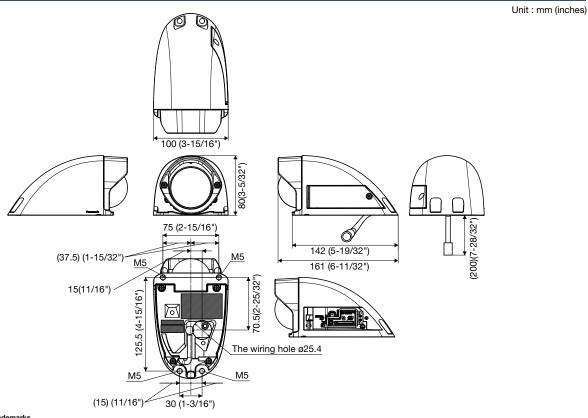
*4 Transmission for 2 streams can be individually set in the same compression method.

*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



Appearance



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