

Network Microphone WV-SMR10

Network Microphone with 360-degree Network Camera

WV-SMR10N3



Pick up clear sound of specified area in noisy or acoustically live environments

Key Features

- 360-degree audio monitoring
 With multiple microphones, 360-degree audio monitoring from a specified direction is possible.
- Specifying a desired direction on a camera image
 While viewing a Panasonic 360-degree Network Camera image,
 audio from the desired location can be freely specified by clicking on that location.
- * Specifying the direction is available when the image capture mode is Fisheye or Wall Panorama. When the image capture mode is Quad PTZ
- Synchronizing with the Network Disk Recorder
 After recording audio to a Panasonic Network Disk Recorder*,
 the sound collecting direction can be specified while playing back
 the recorded image of the 360-degree Network Camera.
- * Models WJ-NV300 is supported. (as of August 2014)
- Can be installed with a 360-degree Network Camera as one unit The microphone can be neatly installed in one place by integrating it with a 360-degree Network Camera.

• Vandal resistant mechanism for high reliability

Standard Accessories

Important Information	• CD-ROM*1
*1 The CD-ROM contains the operating instructions and *2 This label may be required for network management	
The following parts are used during installation procedures.	
Attachment 1 pc.	2P power cable plug 1 pc.
Adapter 2 pcs.	• Bit 1 pc.

Optional Accessories

Ceiling mount bracket WV-Q105A



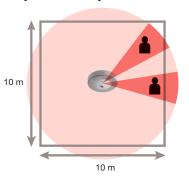
Ceiling pendant type mount bracket **WV-Q117A**



System Example



Pick up clear sound of specified area in noisy or acoustically live environments.



Specifications

WV-SMR10

Microphone element Electret condenser microphone (16-element)	111 011111		
Microphone Microp		Microphone element	Electret condenser microphone (16-element)
Microphone Microp		Sensitivity	-15 dBFS±3 dB (1 Pa, 1 kHz)
Dynamic range 72 dB or more Frequency band Approx. 300 Hz - 7 kHz		Maximum input	100 dBSPL rms
Prequency band Approx. 300 Hz - 7 kHz		S/N ratio	66 dB or more
Noise suppression capacity Directional angle Approx. 18 dB (suppression capacity of sound other than the sound collecting direction) "1 Directional angle Approx. 20" (1 kHz, half-width at half maximum) "1 Sound collecting distance Sound collecting distance Approx. 6 m {19.69 feet daudible distance in an environment where the noise volume is about 65 dB SPL) The sound quality may deteriorate depending on obstacles surrounding the microphone and the direction in which the person speaking faces. Network IF 10Base-T7 10Base-TX, RJ-45 connector Audio Compression method 16-channel Panasonic codec, approx. 2 Mbps Supported Protocol 1Pv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP Supported OS "2 Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windo		, ,	72 dB or more
Directional angle Approx. 20° (1 kHz, half-width at half maximum) '1	Microphone	Frequency band	
Sound collecting distance Approx. 6 m (19.69 feet) (audible distance in an environment where the noise volume is about 65 dB SPL) The sound quality may deteriorate depending on obstacles surrounding the microphone and the direction in which the person speaking faces. Network IF Audio Compression method 10Base-T / 100Base-TX, RJ-45 connector 16-channel Panasonic codec, approx. 2 Mbps Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Supported OS '2 Supported Browser '2 Windows® Internet Explorer® 10.10 (32 bit), Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit) No. of Simultaneous Users No. of Simultaneous Users Supported network camera W-S-F438 (same as WW-SMR10N3) / WW-SF448E / WW-SW458 Supported network camera Wy-S-F438 (same as WW-SMR10N3) / WW-SF448E / WW-SW458 Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and Power Consumption ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F to 122 "F] Ambient Operating Temperature -10 "C to +50" C (14 "F		Noise suppression capacity	Approx. 18 dB (suppression capacity of sound other than the sound collecting direction) *1
The sound quality may deteriorate depending on obstacles surrounding the microphone and the direction in which the person speaking faces. Network IF Audio Compression method Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Supported OS '2 Supported Browser '2 Windows® Internet Explorer® 11.0 (32 bit), Windows® Internet Explorer® 10.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explore			
Network IF 10Base-T/10D8ase-TX, RJ-45 connector Audio Compression method 16-channel Panasonic codec, approx. 2 Mbps Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Supported Drowser 12 Microsoft® Windows® 1.0 (32 bit), Windows® Internet Explorer® 9.0		Sound collecting distance	Approx. 6 m {19.69 feet} (audible distance in an environment where the noise volume is about 65 dB SPL)
Network F 10Base-T / 100Base-TX, RJ-45 connector Audio Compression method 16-channel Panasonic codec, approx. 2 Mbps Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DNS, NTP, SNMP, DHCP, Inversion IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DNS, NTP, SNMP, UPnP, IGMP, ICMP, IPv4: TCP/IP, UDP/IP, HTTPS, RTSP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, RT			The sound quality may deteriorate depending on obstacles surrounding the microphone and the direction in
Audio Compression method Supported Protocol Supported OS '2 Supported OS '2 Supported Browser '2 Supported			which the person speaking faces.
Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTPS, RTSP, RTP, RTPRTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP Supported OS '2 Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® Windows® 1, Microsoft® Windows® 1 Microsoft® Nindows® 1 Microsoft® Nin		· · ·	,
Network Supported OS '2 Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 1, Microsoft® 1, Microsoft® 1, Microsoft® Windows® 1, Microsoft® 1		Audio Compression method	16-channel Panasonic codec, approx. 2 Mbps
Network Supported Prowser Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®		Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP
Network No. of Simultaneous Users No. of Simul			
Network No. of Simultaneous Users No. of Simul			, , , , , , , , , , , , , , , , , , , ,
Network No. of Simultaneous Users 3 (Number of sessions that can connect to microphones at the same time)		Supported Browser *2	Windows® Internet Explorer® 11.0 (32 bit), Windows® Internet Explorer® 10.0 (32 bit),
No. of Simultaneous Users 3 (Number of sessions that can connect to microphones at the same time) * Depends on network conditions. For example, when accessing the microphone using HTTPS, the number of sessions that can connect to the microphone at the same time is 2. Refer to "10.4 Access the microphone using the HTTPS protocol" in the Operating Instructions for further information. Supported network camera			Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit),
* Depends on network conditions. For example, when accessing the microphone using HTTPS, the number of sessions that can connect to the microphone at the same time is 2. Refer to "10.4 Access the microphone using the HTTPS protocol" in the Operating Instructions for further information. Supported network camera WV-SF438 (same as WV-SMR10N3) / WV-SF448E / WV-SW458 Supported recorder WJ-NV300 / WJ-ND400 Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) Power Consumption *ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C (14 °F to 122 °F) Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) (Ø10-5/8 inches x 2-5/32 inches (H)) Mass (approx.) 2.3 kg (5.08 lbs) Finish Net: SECC punching, sail white Cover: PC resin, sail white	Network		Windows® Internet Explorer® 7.0 (32 bit)
the number of sessions that can connect to the microphone at the same time is 2. Refer to "10.4 Access the microphone using the HTTPS protocol" in the Operating Instructions for further information. Supported network camera WV-SF438 (same as WV-SMR10N3) / WV-SF448E / WV-SW458 Supported recorder WJ-NV300 / WJ-ND400 Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) Power Consumption 'ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature - Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white		No. of Simultaneous Users	3 (Number of sessions that can connect to microphones at the same time)
Refer to "10.4 Access the microphone using the HTTPS protocol" in the Operating Instructions for further information. Supported network camera WV-SF438 (same as WV-SMR10N3) / WV-SF448E / WV-SW458 Supported recorder WJ-NV300 / WJ-ND400 Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and Power Consumption 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) **ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C {14 °F to 122 °F} Ambient Operating Humidity Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white			* Depends on network conditions. For example, when accessing the microphone using HTTPS,
Supported network camera WV-SF438 (same as WV-SMR10N3) / WV-SF448E / WV-SW458 Supported recorder WJ-NV300 / WJ-ND400 Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) Power Consumption *ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C {14 °F to 122 °F} Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white			the number of sessions that can connect to the microphone at the same time is 2.
Supported recorder Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and Power Consumption 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) * ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white			Refer to "10.4 Access the microphone using the HTTPS protocol" in the Operating Instructions for further information.
Supported application WV-ASM200 (Ver.3.0 or later) Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024) Power Source and Power Consumption 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) * ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C {14 °F to 122 °F} Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white		_ ' '	WV-SF438 (same as WV-SMR10N3) / WV-SF448E / WV-SW458
Safety/EMC Standard CE, IEC60950-1 (EN55032 ClassB, EN55024)		Supported recorder	WJ-NV300 / WJ-ND400
Power Source and Power Consumption 12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) * ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C {14 °F to 122 °F} Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white			WV-ASM200 (Ver.3.0 or later)
Power Consumption *ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C {14 °F to 122 °F} Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white			CE, IEC60950-1 (EN55032 ClassB, EN55024)
General (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1). Ambient Operating Temperature -10 °C to +50 °C {14 °F to 122 °F} Ambient Operating Humidity Less than 90 % (no condensation) Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {Ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white		Power Source and	12 V DC*: 200 mA/ 2.4 W / PoE 48 V: 60 mA/ 2.9 W (Class 1 devices)
Ambient Operating Temperature		Power Consumption	* ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY
Ambient Operating Humidity Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions Ø270 mm x 55 mm (H) {ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white			(UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1).
Shock Resistance			-10 °C to +50 °C {14 °F to 122 °F}
Shock Resistance Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262) Dimensions ø270 mm x 55 mm (H) {ø10-5/8 inches x 2-5/32 inches (H)} Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white	General	Ambient Operating Humidity	Less than 90 % (no condensation)
Mass (approx.) 2.3 kg {5.08 lbs} Finish Net: SECC punching, sail white Cover: PC resin, sail white	General	Shock Resistance	Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262)
Finish Net: SECC punching, sail white Cover: PC resin, sail white		Dimensions	ø270 mm x 55 mm (H) {ø10-5/8 inches x 2-5/32 inches (H)}
Cover: PC resin, sail white		Mass (approx.)	2.3 kg {5.08 lbs}
		Finish	
Others Tamper-resistant enclosure (When center cover is attached)			Cover: PC resin, sail white
		Others	Tamper-resistant enclosure (When center cover is attached)

^{*1} Depends on the conditions of the installation environment.

Trademarks and registered trademarks

- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
- "i-PRO SmartHD" logo is trademarks or registered trademarks of Panasonic Corporation.
- 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.

DISTRIBUTED BY:



^{*2} For further information about PC system requirements and precautions for when using Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®, or Windows® Internet Explorer®, click "Manual" - "Open" from the supplied CD-ROM and refer to "Notes on Windows® / Internet Explorer® versions".