Panasonic ideas for life

Super Dynamic III Vandal Resistant Fixed Dome Network Camera WV-NW484S

NTSC WV-NW484S (24 V AC, 12 V DC or PoE) Smoke Dome Type>
PAL WV-NW484S (24 V AC, 12 V DC or PoE)

Clear Dome Type>



Network camera designed for heavy duty use featuring Super Dynamic III

Key Features

- MPEG-4/JPEG digital signal output at VGA image size with up to 30 ips
- MPEG-4 and JPEG dual stream output for simultaneous real time monitoring and high resolution recording
- Progressive output provides clear images even when the subject is moving.
- *Super Dynamic III* technology delivers 128x wider dynamic range compared to conventional cameras.
- High sensitivity with Day/Night function: 0.6 lux (Color), 0.08 lux (B/W) with clear dome cover at F1.4 (Wide). IR cut filter switches on/off to enhance the sensitivity in B/W mode.
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions.
- Electronic sensitivity enhancement: Auto (Up to 32x) / OFF
- Electronic shutter for anti flicker
- 3.8 ~ 8.0 mm, 2x Varifocal Auto Iris lens
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- Scene Change Detection alarms when lens is covered, spray painted, removed or defocused.
- VMD (Video Motion Detector) with 4 programmable detection areas and 6 sensitivity levels
- \bullet Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- \bullet Auto Image Stabilizer for applications where vibration or wind is a concern.
- Flexible digital zoom and pan/tilt operation: Up to 3x variable digital zoom and pan/tilt can be set in the setup menu (effective both for analog and network video). 2x or 4x digital zoom and pan/tilt can be controlled by the browser GUI for network video.
- Camera title displays: Up to 16 (OSD) and 20 (on browser) alphanumeric characters
- · SD Memory card slot for alarm recording and backup upon network failure
- Alarm sources include Terminal input, VMD and Panasonic alarm command, and can trigger actions including SD memory recording/ FTP image transfer, E-mail notification, Alarm indication, Terminal output and Panasonic protocol output.
- Built-in network interface (10Base-T / 100Base-TX)
- Power over Ethernet (PoE) IEEE 802.3af.
- Multiscreen: Images from 8 cameras can be displayed in 2 separate Quad screens (JPEG only). 20 characters camera title is available for each camera.

- FTP client function enables periodic image data transfer or transfer upon alarm.
- Alarm e-mail notification
- Max. bit rate/client (64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps) or frame rate priority mode (4,096 kbps / Unlimited) for MPEG-4 and Total bit rate control (64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited) allowing flexible network management.
- Supported Protocol: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP
- Internet mode: MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC) * Installation required except for English
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions
- · Vandal resistant mechanism for high reliability
- 3-way hinge (horizontal, vertical and swivel rotation) for easy installation

Mounting Bracket

Standard Setup Manual (PDF)

• Waterproof tape (butyl rubber tape) ... 1 pc.

* The CD-ROM contains Panasonic IP Setup

Software, viewer software "Network Camera View3", and Standard Operation Manual/

.... 1 pc.

• Optional heater maintains operating temperature -30 °C $\sim +50$ °C (-22 °F ~ 122 °F) when operated by 24 V AC or PoE.

Standard Accessories

- CD-ROM* 1 pc.
- Operating Instructions, Basic Manual ... 1 pc.
- Label (MAC address) 1 pc.
- The followings are for installation.
- 4-pin Alarm Cable 1 pc.
 BJ-45 female-female conversion
- connector 1 pc.

Optional Accessories



Specifications

TV Systen		NTSC	PAL	
Camera	Image Sensor	6 mm (1/3 inch) interline transfer CC	D	
	Effective Pixels	768 (H) x 494 (V)		
	Scanning Mode	2:1 interlace scan (with motion adapt	ive interlace/progressive conversion	
	Scanning Area	4.8 (H) x 3.6 (V) mm		
	Minimum Illumination	Color (30IRE): 1.5 lux (Sens up: OFF),	Color (30IRE): 0.6 lux (Sens up: OFF	
	Willing the multimation			
		0.046 lux (Sens up: 32x) at F1.4	0.019 lux (Sens up: 32x) at F1.4	
		B/W (10IRE): 0.16 lux (Sens up: OFF),	B/W (10IRE): 0.08 lux (Sens up: OFF	
		0.005 lux (Sens up: 32x) at F1.4	0.003 lux (Sens up: 32x) at F1.4	
		Will be same as PAL spec with		
		WV-CW4C optional clear dome cover		
	Milita Dalaraa			
	White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 F		
	Light Control	ALC		
	AGC	ON (LOW) / ON (MID) / ON (HIGH) / OFF		
	Super Dynamic III	ON or OFF (with BLC masking 8 x 6 areas)		
	Dynamic Range	52 dB typical (Super Dynamic III: ON, Shutter speed: OFF)		
	Electronic Shutter	OFF (1/60), AUTO (OFF, 1/100), 1/100		
		OFF / AUTO (2x, 4x, 6x, 10x, 16x, 32x)		
	Digital Noise Reduction	High/Low, 2D/3D adaptive DNR		
	Black and White Mode	Mode: AUTO1 / AUTO2 / ON / OFF, Level: High / Low, Wait time: 10 sec ~ 5 min, with external control		
	Digital Zoom	Up to 4x variable with digital pan/tilt. Set by setup menu.		
	Bigital 20011	(when this zoom is used, image on the browser is also zoomed)		
	Modes M. C. D. L.	· · ·		
	Video Motion Detector	Motion detection mode: 4 areas, 6 sensitivity levels /		
		Scene change detection mode: 6 sensitivity levels, Auto suspend 5 sec		
	Privacy Zone	Up to 8 zones, Gray/Mosaic		
	Up Side Down	ON / OFF		
	Auto Image Stabilizer			
	<u> </u>	ON / OFF		
	Camera Title (OSD)	Up to 16 alphanumeric characters		
	Back Focus Adjustment	ABF / MANUAL, ABF mode upon CL/BW switching: AUTO / PRESET / FI>		
	Lens Mount	CS-mount		
	Synchronization	Internal		
ens	Focal Length	3.8 ~ 8.0 mm, 2x varifocal		
-0110				
	Angular Field of View	H: 35.6° (Tele) ~ 73.6° (Wide) V: 26.6° (Tele) ~ 53.4° (Wide)		
		1:1.4 (Wide) 1:1.8 (Tele)		
	Focusing Range	1.2 m (3.9 ft.) ~ ∞		
Pan and	Panning Range	±175°		
Filt	Tilting Range	±75°		
Browser	Camera Control			
		Pan / Tilt / Zoom (by digital zoom), Brightness, AUX ON/OFF		
GUI	Display Mode Image from 8 cameras can be displayed in 2 different			
		Quad screens (JPEG only). 20 characters camera title available.		
	Digital Zoom	2x, 4x, By browser		
	Camera Title	Up to 20 alphanumeric characters		
	Clock Display	Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual		
	Alarm Control	Reset		
		A still picture is displayed on a newly opened window.		
	One Shot Capture			
	GUI / Setup Menu	English, French	English, French, Italian, Spanish, German, Russi	
	Language	(Installation required for French)	(Installation required except for English	
	System Log	Up to 100 (Internal), Up to 4,000 (SD	memory) error logs	
	Supported OS	Microsoft [®] Windows Vista [®] Business 32 bit, Microsoft [®] Windows [®] XP Home/Professional		
	Supported OO	Microsoft® Windows® 2000 Professional SP4		
		The language of the OS must be same as selected GUI language.		
	Supported Browser	Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit),		
	Supported Blowser		Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows® XP Home/Professional S	
	Supported Browser		oft [®] Windows [®] XP Home/Professional SP2	
	Supported Browser	Microsoft® Internet Explorer® 6.0 SP2 (Micros		
Network		Microsoft® Internet Explorer® 6.0 SP2 (Micros Microsoft® Internet Explorer® 6.0 SP1 (Micros	oft® Windows® 2000 Professional SP4)	
Network	Network IF	Microsoft® Internet Explorer® 6.0 SP2 (Micros Microsoft® Internet Explorer® 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn	oft [®] Windows [®] 2000 Professional SP4) actor IEEE 802.3af. PoE compatible	
Network	Network IF Image Resolution	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240	oft [®] Windows [®] 2000 Professional SP4) actor IEEE 802.3af. PoE compatible	
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Network	Network IF Image Resolution Image Compression	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: LOW / NORMAL / FIN JPEG : Image quality: LOW / NORMAL / FIN JPEG : Hage quality: 10 steps, Trans MPEG-4 and JPEG dual streaming,	off® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatible) E, Transmission type: UNICAST / MULTICAS smission type: PULL/PUSH JPEG multi-resolution supported.	
Network	Network IF Image Resolution	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: LOW / NORMAL / FIN JPEG: Image quality: 10 steps, Trans, MPEG-4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 /	off® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatible) E, Transmission type: UNICAST / MULTICAS smission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG.	
Network	Network IF Image Resolution Image Compression Image Refresh Rate	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: L0W / NORMAL / FIN JPEG: Image quality: 10 steps, Trans MPEG-4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10) 10 ips-QVGA when transmitting JPEG ar	off® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatible) E, Transmission type: UNICAST / MULTICAS smission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG, ad MPEG-4 simultaneously)	
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Network	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option)	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG4: Image quality: 10 steps, Trans MPEG4: Image quality: 10 steps, Trans MPEG4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 102 / 226 / 512 / 1,024 / 2,048 / 102 / 0.0 PIP, HTIP, RTSP, RTP, RTP/RTCP Alarm image transfer, Periodic image 8 (Depends on network conditions) Alarm REC/Backup upon network fal Compatible SD card: Panasonic 64 MB, 12	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatibl Extransmission type: UNICAST / MULTICAt smission type: PULL/PUSH IPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG id MPEG-4 simultaneously) 4,096 kbps / Unlimited 96 kbps or Frame rate priorly (4,096 kbps / Unlimite , FTP, SMTP, DHCP, DNS, DDNS, NTP, SNM t transfer Iure.	
Network	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: 10W / NORMAL / FIN JPEG: Image quality: 10W / NORMAL / FIN JPEG-4 and JPEG dual streaming, 1 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 100 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 74 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 1,024 / 2,048 / 75 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatibl Extransmission type: UNICAST / MULTICAt smission type: PULL/PUSH IPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG id MPEG-4 simultaneously) 4,096 kbps / Unlimited 96 kbps or Frame rate priorly (4,096 kbps / Unlimite , FTP, SMTP, DHCP, DNS, DDNS, NTP, SNM t transfer Iure.	
Network	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User Registration	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 comm VGA (640 × 480) / QVGA (320 × 240 MPEG-4: Image quality: 10 steps, Trans MPEG-4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / Compatible SD card: Panasonic 64 MB, 12 Up to 4 e-mail addresses Up to 16 users	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. POE compatibl) E. Transmission type: UNICAST / MULTICAs amission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG d MPEG-4 simultaneously) 4.096 kbps / Unlimited 8 kbps or Frame rate priority (4.096 kbps / Unlimite FTP, SMTP, DHCP, DNS, DDNS, NTP, SNN t transfer lure. 8 MB, 256 MB, 512 MB, 1 GB, 2 GB mod	
Network	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: 10W / NORMAL / FIN JPEG: Image quality: 10W / NORMAL / FIN JPEG-4 and JPEG dual streaming, 1 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 100 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 70 / 100	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. POE compatibl) E. Transmission type: UNICAST / MULTICAs amission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG d MPEG-4 simultaneously) 4.096 kbps / Unlimited 8 kbps or Frame rate priority (4.096 kbps / Unlimite FTP, SMTP, DHCP, DNS, DDNS, NTP, SNN t transfer lure. 8 MB, 256 MB, 512 MB, 1 GB, 2 GB mod	
Network	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User Registration User/Host Level	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG4: Image quality: 10 steps, Trans MPEG4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 jps-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1.024 / 2.048 / 64 / 128 / 256 / 512 / 1.024 / 2.048 / 7CP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCF Alarm image transfer, Periodic image 8 (Depends on network conditions) Alarm REC/Backup upon network fai Compatible SD card: Panasonic 64 MB, 12 Up to 14 e-mail addresses 3 Levels: Administrator, Camera con	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatibl pactor IEEE 802.3af. PoE compatibl pactor IEEE 802.3af. PoE compatibl pactor IEEE 802.3af. PoE compatible pactor IEEE 802.3af. PoE 2000 pactor IEEE 802.3af. POE 2000 pact	
	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User Registration User/Host Level Security Method	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG4: Image quality: 10 v/NORMAL /FIN JPEG: Image quality: 10 steps, Trans MPEG4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 10 / 24 / 256 / 512 / 1,024 / 2,048 / 10 / 24 / 256 / 512 / 1,024 / 2,048 / 10 / CPJP, UDPI/P, HTP, RTSP, RTP, RTP/RTC Alarm image transfer, Periodic image 8 (Dependo on network conditions) Alarm REC/Backup upon network fai Compatible SD card: Panasonic 64 MB, 12 Up to 4 e-mail addresses Up to 16 users 3 Levels: Administrator, Camera con User authentication (ID and Passwor	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. POE compatibl E, Transmission type: UNICAST / MULTICA: smission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG dd MPEG-4 simultaneously) 4,096 kbps / Unlimited 96 kbps or Frame rate priority (4,096 kbps / Unlimited 96 kbps or Frame rate priority (4,096 kbps / Unlimited 96 kbps of State Stat	
	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User/Host Level Security Method Alarm Source	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: 10W / NORMAL / FIN JPEG: Image quality: 10W / NORMAL / FIN JPEG-4 and JPEG dual streaming, . 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 100 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 40 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatibl E, Transmission type: UNICAST / MULTICAS mission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG. dd MPEG-4 simultaneously) 4,096 kbps / Unlimited 96 kbps or frame rate priority (4,096 kbps / Unlimited 96 kbps or frame rate priority (4,096 kbps / Unlimited 98 kbps or frame rate priority (4,096 kbps / Unlimited 98 kbps or frame rate priority (4,096 kbps / Unlimited 98 kbps or frame rate priority (4,096 kbps / Unlimited 98 kbps or frame rate priority (4,096 kbps / Unlimited 98 kbps or frame rate priority (4,096 kbps / Unlimited 99 kbps or frame rate priority (4,096 kbps / Unlimited 90 kbps or frame rate prior	
	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User Registration User/Host Level Security Method	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 × 480) / QVGA (320 × 240 MPEG-4: Image quality: 10 steps, Trans MPEG-4 and JPEG dual streaming, 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 10 / 10 / 9 / 0.000 / 10 / 0.000 / 0.000	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatibl) E, Transmission type: UNICAST / MULTICA: smission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG d MPEG-4 simultaneously) 4,096 kbps / Unlimited 86 kbps or Frame rate priority (4,098 kbps / Unlimited 96 kbps or Frame rate priority (4,098 kbps / Unlimited 96 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 98 kbps or Frame rate priority (4,098 kbps / Unlimited 15 / Unlimited 15 / Unlimited 15 / Unlimited 15 / Unlimited 16 / Unlimited 16 / Unlimited 17 / Unlimited 16 / Unlimited 16 / Unlimited 17 / Unlimited 17 / Unlimited 18 / Unlimited 1	
	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User/Host Level Security Method Alarm Source	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 x 480) / QVGA (320 x 240 MPEG-4: Image quality: 10W / NORMAL / FIN JPEG: Image quality: 10W / NORMAL / FIN JPEG-4 and JPEG dual streaming, . 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 100 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 40 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024 / 1,024 / 1,024 / 2,048 / 41 / 128 / 256 / 512 / 1,024	otf® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatible) E, Transmission type: UNICAST / MULTICAS amission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG. d) MPEG-4 simultaneously) 4,096 kbps / Unlimited 96 kbps or Frame rate priority (4,096 kbps / Unlimite , FTP, SMTP, DHCP, DNS, DDNS, NTP, SNN the transfer lure. 8 MB, 256 MB, 512 MB, 1 GB, 2 GB mod trol, Live only d), Host authentication (IP address ut nsfer, e-mail notification,	
Network Alarm	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User/Host Level Security Method Alarm Source	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base-T / 100Base-TX, RJ45 conn VGA (640 × 480) / QVGA (320 × 240 MPEG-4: Image quality: 10 steps, Trans MPEG-4 and JPEG dual streaming, 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 ips-QVGA when transmitting JPEG ar 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 10 / 10 / 9 / 0.000 / 10 / 0.000 / 0.000	off® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatible) E, Transmission type: UNICAST / MULTICAS smission type: PULL/PUSH JPEG multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG/ d) MPEG-4 simultaneously) 4,096 kbps / Unlimited 96 kbps or Frame rate priority (4,096 kbps / Unlimited 96 kbps or Frame rate priority (4,096 kbps / Unlimited 97 kbps or Frame rate priority (4,096 kbps / Unlimited 98 kbps of State	
Alarm	Network IF Image Resolution Image Compression Image Refresh Rate Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail User Registration User/Host Level Security Method Alarm Source Alarm Actions	Microsoft [®] Internet Explorer [®] 6.0 SP2 (Micros Microsoft [®] Internet Explorer [®] 6.0 SP1 (Micros 10Base T / 100Base TX, RJ45 comm VGA (640 x 480) / QVGA (320 x 240 MPEG-4 image quality: 10 steps, Trans MPEG-4 and JPEG dual streaming, 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 10 ips-QVGA when transmitting JPEG at 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 64 / 128 / 256 / 512 / 1,024 / 2,048 / 129 / 120 / 208 / 208 / 208 / 120 / 10 / 208 / 208 / 208 / 120 / 10 / 208 / 2 / 120 / 208 / 208 / 208 / 120 / 120 / 208 / 208 / 2 / 208 / 208 / 208 / 208 / 2 / 208 / 208 / 208 / 208 / 2 / 208 / 208 / 208 / 208 / 2 / 208 / 208 / 208 / 208 / 208 / 208 / 2 / 208	ot® Windows® 2000 Professional SP4) actor IEEE 802.3af. PoE compatibl scror IEEE 802.3af. PoE compatibl E, Transmission type: UNICAST / MULTICA: multi-resolution supported. 15 / 30 ips (Max. rate will be 5 ips-VG id MPEG-4 simultaneously) 4 (A96 kbps / Unlimited 96 kbps or Frame rate priorly (4,096 kbps / Unlimite , FTP, SMTP, DHCP, DNS, DDNS, NTP, SNM transfer lure. 8 MB, 256 MB, 512 MB, 1 GB, 2 GB mod trol, Live only d), Host authentication (IP address ut nsfer, e-mail notification, er, Panasonic protocol output 1.0 V [P-P] / 75 Ω PAL composite, RCA ja	

* With optional Heater Unit WV-CW4H ** Optional Heater Unit WV-CW4H cannot be used under 12 V DC operation

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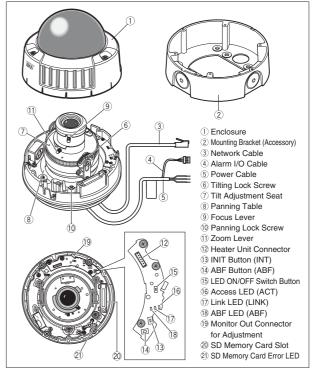
Important - Safety Precaution: carefully read the operating instructions and installation manual before using this product.

- Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

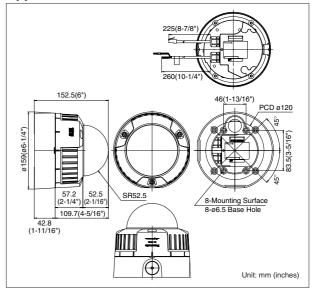
DISTRIBUTED BY:

TV System		NTSC	PAL
General	Safety/EMC	UL (6500), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024),
	Standard	C-UL (CAN/CSA C22.2 No.60065),	GOST (GOST R 51558)
		DOC (ICES003 ClassA)	
	Power Source / Consumption	24 V AC, 60 Hz 8.2 W 16 W* / 12 V DC 920 mA** /	
		PoE (IEEE802.3af) 9.2 W, 12 W* (Class 0 device)	
	Ambient Operating	-10 °C ~ +50 °C (14 °F ~ 122 °F), -30 °C ~ +50 °C (-22 °F ~ 122 °F)	
	Temperature	with Optional Heater (24 V AC / PoE)	
	Ambient Operating Humidity	90 % or less (without condensation)	
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible.	
	Dimensions	ø159 mm x 153 mm (H) (ø6-1/4" x 6-1/32")	
	Weight	approx.1.9 kg (4.18 lbs.) (with Mounting Bracket)	

Part Names and Functions



Appearance



• All TV pictures are simulated.

- Weights and dimensions are approximate.
- Specifications are subject to change without notice.
 These products may be subject to export control regulations.

All product pictures are NTSC models



http://panasonic.net/security/ Printed in Japan (2A-004DL)