

Super Dynamic HD Network Camera WV-NP502



H264, True Day/Night HD Camera featuring Super Dynamic

Key Features

- 1,080p HD images up to 15 fps / 720p HD images up to 30 fps
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size (1.3 Megapixel mode)
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared with conventional cameras.
- Face Super Dynamic technology ensures clear face image.
- Up to 3 Megapixel (2,048 x 1,536) JPEG stream (3 Megapixel mode, JPEG only)
- · H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night function: 1.0 lx (Color), 0.08 lx (B/W) at F1.4 (1.3 Megapixel mode)
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Superior color reproduction by primary (RGB) color filter
- · Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / ELC / Fixed electronic shutter
 Outdoor / Indoor: Electronic shutter and ALC lens iris control are
 automatically controlled depending on the mode and luminance level.
 ELC: Up to 1/10,000 Electronic shutter is automatically applied for a fix iris lens.
 Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can
 be selectable.
- VMD (Video Motion Detector) with 4 programmable detection areas,
 15 steps sensitivity level and 10 steps detection size
- Face detection detect the position of human face, the information is sent by XML or video stream.
- \bullet Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.
- · 2x, 4x digital zoom controlled by browser
- Camera title display: Up to 20 alphanumeric characters on the browser, Up to 16 alphanumeric characters with three selectable character sizes embedded in the image

- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SD/SDHC memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- 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.
- SD/SDHC Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 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/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
- IPv4/IPv6 protocol supported
- · Analog Monitor output for easier installation
- · ONVIF compliant model

Standard Accessories

CD-ROM*1
The followings are for installation. Power Cord Plug

- Safety Wire Lug for Wall 1 pc
- Screws for Mounting Bracket (M2.5 x 8) ... 2 pcs.
 The CD-BOM contains Panasonic IP Setup.
- Software, viewer software "Network Camera View 4", and Operation Instructions (PDF).

 2 This label may be required for network management. The network administrator shall retain the code label.

Optional Accessory

1/3 type High Resolution 2x Varifocal Lens **WV-LZA62/2**

(2.8 ~ 6 mm) F1.4 (Wide) F2.1 (Tele)

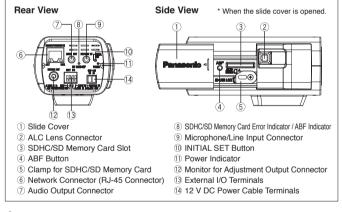


Specifications

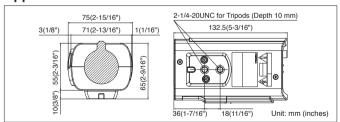
Camera	m NTSC PAL Image Sensor 1/3 type interline transfer CCD			
	Effective Pixels	1,296 (H) x 976 (V) x2		
	Scanning Mode	Progressive scan		
	Scanning Mode Scanning Area	0		
	Minimum Illumination	4.86 mm (H) x 3.65 mm (V)		
	William indimination	1. 3 Megapixel mode: Color: 1.0 lx, BW: 0.08 lx at F1.4 (Shutter: 1/30 s, AGC: High, SD: OFF), Color: 0.06 lx, BW: 0.005 lx at F1.4 (Shutter: 16/30 s, AGC: High, SD: OFF) 3 Megapixel mode: Color: 2.0 lx, BW: 0.16 lx at F1.4 (Shutter: 1/30 s, AGC: High),		
		Color: 0.12 lx, B/W: 0.01 lx at F1.4 (Shutter: 16/30 s, AGC: High),		
	White Balance			
		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K) Outdoor: Automatic integration of ALC and ELC		
	Light Control Mode	5		
		Indoor: Automatic integration of ALC and ELC (up to 1/100 s)		
	01 11 0 1	ELC: (up to 3/10,000 s) (ELC: only at Super Dynamic: OFF)		
	Shutter Speed	Fix shutter: 3/100, 2/100, 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 (Only at Super Dynamic: OFF) ON / OFF (1.3 Megapixel mode only)		
	Super Dynamic			
	Face Super Dynamic	ON / OFF (Only at Super Dynamic: ON)		
	Dynamic Range	52 dB typical (Super Dynamic: ON, Light Control mode: Indoor)		
	Adaptive Black Stretch	ON / OFF (Only at Super Dynamic: OFF)		
	AGC	ON (LOW, MID, HIGH) / OFF		
	Electronic Sensitivity UP	OFF / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s))		
	Black and White Mode	Mode: AUTO1 / AUTO2 / AUTO3 / ON / OFF, Level: High / Low, with external control		
	Digital Noise Reduction	High / Low		
	Video Motion Detection	4 areas, Sensitivity: 15 steps, Detection size: 10 steps		
	Privacy Zone	Up to 8 zones, Gray / Mosaic		
	Up Side Down	ON / OFF		
	Auto Image Stabilizer	ON / OFF		
	Camera Title (OSD)	Up to 16 alphanumeric characters (3 selectable character sizes)		
	Back Focus Adjustment	ABF / MANUAL, ABF mode upon CL/BW switching: AUTO / PRESET / FIX		
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Browser	Camera Control	Brightness, AUX ON / OFF, Zoom (1x, 2x, 4x)		
GUI	Display Mode	Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
	D	screens or 16 split screen (JPEG only). 20 characters camera title available.		
	Digital Zoom	1x, 2x, 4x controlled by browser GUI		
	Camera Title	Up to 20 alphanumeric characters		
	Clock Display	Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Control	Reset		
	One Shot Capture	A still picture will be displayed on a newly opened window.		
	Audio	Mic (Line) Input: ON / OFF, Audio Output: ON / OFF		
	SD Memory Data Download	Still or Motion Images recorded in the SD/SDHC memory card can be downloaded		
	GUI/Setup	English, French English, French, Italian,		
	Menu Language	(Installation required for French) Spanish, German, Russian		
		(Installation required except for English		
	System Log	Up to 100 (Internal), Up to 4,000 (SD/SDHC memory when the		
	1,444	recording format is set to JPEG.) error logs		
	Supported OS	Microsoft® Windows® 7 Professional 64 bit/32 bit,		
	Cupportou CC	Microsoft® Windows Vista® Business SP1 32 bit,		
		Microsoft® Windows® XP Home Edition/Professional SP3		
		Microsoft Windows AF Home Edition/Floressional SF3		
		The language of the OC must be some as selected CIII language		
	0 1 1 5	0 0		
	Supported Browser	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit		
	Supported Browser	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit		
	Supported Browser	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3		
		Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Home Edition/Professional SP3)		
Network	Network IF	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Mindows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector		
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Network	Network IF	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H.264:1,280 x 990 / SVGA (800 x 800) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG:1,280 x 990 / SVGA (800 x 600) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG:1,280 x 900 / SVGA (800 x 600) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG:1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG:1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 15 fps JPEG:2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG:2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG:4,1920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,1920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,1920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,1920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,1920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,1920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps		
Network	Network IF Image Resolution*1	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Windows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H.264: 1,280 v.990 / SVGA (800 v.800) / VGA (640 v.480) / OVGA (320 v.240), up to 30 fps JPEG: 1,280 v.990 / SVGA (800 v.800) / VGA (640 v.480) / OVGA (320 v.240), up to 30 fps JPEG: 1,280 v.990 / SVGA (800 v.800) / VGA (640 v.480) / OVGA (320 v.240), up to 30 fps JPEG: 1,280 v.720 / 640 v.360 / 320 v.180, up to 30 fps JPEG: 1,280 v.720 / 640 v.360 / 320 v.180, up to 30 fps JPEG: 1,280 v.960 / VGA (640 v.480) / QVGA (320 v.240), up to 15 fps JPEG: 2,048 v.1,536 / 1,280 v.960 / VGA (640 v.480), up to 15 fps JPEG: 2,048 v.1,536 / 1,280 v.960 / VGA (640 v.480), up to 15 fps JPEG: 2,048 v.1,536 / 1,280 v.960 / VGA (640 v.480), up to 15 fps JPEG: 1,920 v.1,080 / 640 v.360 / 320 v.240, up to 15 fps JPEG: 1,920 v.1,080 / 640 v.360 / 320 v.240, up to 15 fps JPEG: 1,920 v.1,080 / 640 v.360 / 320 v.240, up to 15 fps JPEG: 1,920 v.1,080 / 640 v.360 / 320 v.240, up to 15 fps JPEG: 1,920 v.1,080 / 640 v.360 / 320 v.240, up to 15 fps		
Network	Network IF Image Resolution*1 H.264 / Transmission Priority	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Mindows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H264:1280 ×960 / SVGA (800 × 600) / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / SVGA (800 × 600) / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 950 / SVGA (800 × 600) / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 2,048 × 1,280 × 720 / 640 × 360 / 320 × 180, up to 15 fps JPEG: 2,048 × 1,536 / 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 15 fps JPEG: 2,048 × 1,536 / 1,280 × 960 / VGA (640 × 480), up to 15 fps JPEG: 2,048 × 1,536 / 1,280 × 960 / VGA (640 × 480), up to 15 fps JPEG: 2,920 × 1,080 / 640 × 360 / 320 × 240, up to 15 fps Constant bit rate / Frame rate 1/3/5/7.5/10/15/20*/ 1/3/5/7.5/10/15/20*/		
Network	Network IF Image Resolution*1 H.264 / Transmission Priority MPEG-4 Frame Rate	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Mindows® Naternet Explorer® 6.0 SP3 (Microsoft® Windows® XP 149 Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H.264:1,280 x960 / SVGA (800 x 600) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG:1,280 x 960 / SVGA (800 x 600) / VGA (460 x 480) / OVGA (320 x 240), up to 30 fps JPEG:1,280 x 780 / SVGA (800 x 600) / VGA (460 x 480) / OVGA (320 x 240), up to 30 fps JPEG:1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG:1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG:1,280 x 960 / VGA (640 x 480) / OVGA (320 x 240), up to 15 fps JPEG:1,280 x 960 / VGA (640 x 480) / OVGA (320 x 240), up to 15 fps JPEG:2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG:2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG:1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps Constant bit rate / Frame rate 1/3 / 5 / 7.5 / 10 / 12 (PAL model only) / 15 / 20* / 30* fps		
Network	Network IF Image Resolution*1 H.264 / Transmission Priority MPEG-4 *1	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Nicrosoft® Windows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H.264: 1,280 x960 / SVGA (800 x 800) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG: 1,280 x 980 / SVGA (800 x 800) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps 1.3 Megapixel mode (Aspect ratio [16:9]): H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps 3 Megapixel mode (Aspect ratio [4:3]): H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 15 fps JPEG: 2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG: 2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps Constant bit rate / Frame rate 1 / 3 / 5 / 7.5 / 10 / 15 / 20* / 30* fps 1.3 Megapixel mode only 1 / 3 / 5 / 7.5 / 10 / 15 / 20* / 30* fps 1.3 Megapixel mode only		
Network	Network IF Image Resolution*1 H.264 / Transmission Priority MPEG-4 Frame Rate	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Windows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H264: 1280 x 990 / SVGA (800 x 800) / VGA (640 x 480) / CVGA (320 x 240), up to 30 fps JPEG: 1280 x 980 / SVGA (800 x 600) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG: 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / OVGA (320 x 240), up to 15 fps MPEG-4: VGA (640 x 480) / QVGA (320 x 240), up to 15 fps JPEG: 2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG: 2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps Constant bit rate / Frame rate 1/3 / 5 / 7.5 / 10 / 15 / 20 * / 30 fps * 1.3 Megapixel mode only * 1.		
Network	Network IF Image Resolution*1 H.264 / Transmission Priority MPEG-4 *1 Bit Rate/Client	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H264:1280 ×960 / SVGA (800 × 600) / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / SVGA (800 × 600) / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 950 / SVGA (800 × 600) / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps JPEG: 1,280 × 720 / 640 × 360 / 320 × 180, up to 15 fps JPEG: 2,048 × 1,536 / 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 15 fps JPEG: 2,048 × 1,536 / 1,280 × 960 / VGA (640 × 480), up to 15 fps JPEG: 2,048 × 1,536 / 1,280 × 960 / VGA (640 × 480), up to 15 fps JPEG: 1,920 × 1,080 / 640 × 360 / 320 × 240, up to 15 fps Constant bit rate / Frame rate 1/3/5/7.5/10/15/20* / 30* fps 1.3 Megapixel mode only 4/128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 8,192* kbps / Unlimited * H.264 mode only		
Network	Network IF Image Resolution*1 H.264 / Transmission Priority MPEG-4 *1 Bit Rate/Client Image Quality	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit32 bit Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Internet Explorer® 6.0 SP3 Microsoft® Windows Vista® Business SP1 32 bit Microsoft® Windows® XP Home Edition/Professional SP3) 10Base-T / 100Base-TX, RJ-45 connector 1.3 Megapixel mode (Aspect ratio [4:3]): H264: 1280 x 990 / SVGA (800 x 800) / VGA (640 x 480) / CVGA (320 x 240), up to 30 fps JPEG: 1280 x 980 / SVGA (800 x 600) / VGA (640 x 480) / OVGA (320 x 240), up to 30 fps JPEG: 1280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps JPEG: 1,280 x 960 / VGA (640 x 480) / OVGA (320 x 240), up to 15 fps MPEG-4: VGA (640 x 480) / QVGA (320 x 240), up to 15 fps JPEG: 2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG: 2,048 x 1,536 / 1,280 x 960 / VGA (640 x 480), up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps JPEG: 1,920 x 1,080 / 640 x 360 / 320 x 240, up to 15 fps Constant bit rate / Frame rate 1/3 / 5 / 7.5 / 10 / 15 / 20 * / 30 fps * 1.3 Megapixel mode only * 1.		

TV Systen	1		NTSC	PAL
Network	JPEG	Image Quality	10 steps	
		Transmission Type	PULL / PUSH	
	Audio (Compression	G.726 (ADPCM) 32 kbps / 16 kbps	
	Audio Mode		OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
	Authentication for Audio		Level 1 only / Level 2 higher / All users	
	Total Bit Rate		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Supported Protocol		IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP,	
			SMTP, DHCP, DNS, DDNS, NTP, SNMP	
			IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMP	
	FTP Client		Alarm image transfer, Periodic image transfer, Active/Passive	
			selectable (When the FTP periodic transmission is failed,	
			backup on an optional SDHC/SD memory card is available.)	
	No. of Simultaneous Users U		Up to 14 users (Depends on network conditions)	
	SDHC/SD Memory Card (Option)		H.264 recording: Manual REC / Alarm REC (Pre/Post)	
			JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure	
	(Compatible SD (SDHC) card: Panasonic 256 MB, 512 MB, 1 GB,	
			2 GB, 4 GB*, 8 GB*, 16 GB* model * SDHC card	
Alarm	Alarm Source		3 terminal inputs, VMD, Command alarm	
	Alarm Actions		SDHC/SD memory recording, E-mail notification, Alarm terminal output,	
			Indication on browser, FTP image transfer, Panasonic protocol output	
	Alarm Log		With SDHC/SD memory card: 5,000 logs, Without SDHC/SD memory card: 1,000 logs	
	Schedule		Alarm / VMD / Access permission	
Input /	Monitor Output		1.0 V [P-P] / 75 , NTSC	1.0 V [P-P] / 75 , PAL
Output	(for adjustment)		composite, RCA Jack	composite, RCA Jack
	Microphone/Line Input		MIC IN and Line IN are selectable.	
			ø3.5 mm stereo mini jack (monaural input)	
			(Applicable microphone: Plug-in power type)	
			Supply voltage: 2.5 V 0.5 V Input impedance: approx. 2 k	
	Audio (Output	ø3.5 mm stereo mini jack (monaural output) Line level	
	Externa	al I/O Terminals	ALARM IN 1 / DAY/NIGHT IN, ALARM IN 2 / ALARM OUT,	
			ALARM IN 3 / AUX OUT / EXPOSURE OUT	
General	Safety/	EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024)
			C-UL (CAN/CSA C22.2 No.60065),	
			DOC (ICES003 ClassA)	
	Power Source and		12 V DC: 630 mA, PoE (IEEE 8	02.3af): 7.6 W (Class 0 device)
	Power Consumption			
	Ambier	nt Operating	-10 C ~ +50 C (14 F ~ 122 F),	
	Tempe	rature/Humidity	90 % or less (without condensation)	
	Dimen	sions	75 mm (W) x 65 mm (H) x 132.5 mm (D)	
			(2-15/16" (W) x 2-9/16" (H) x 5-3/16" (D))	
	Mass (approx.) 430 g (0.95 lbs.)			
	264 and MPEG-4 are alternative			

Part Names and Functions



Appearance



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 "Super Dynamic", "SDII", "SDII"

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