

Super Dynamic III Day/Night Dome Network Camera WV-NS950 Series

INTSC WV-NS954 (24 V AC) PAL WV-NS950 (220 ~ 240 V AC) WV-NS954 (24 V AC)



Dome Network Camera featuring 30x zoom and Super Dynamic III

Key Features

- *Super Dynamic III* technology delivers 128x wider dynamic range compared to conventional cameras.
- High sensitivity with Day/Night function: 0.5 lux (Color) at F1.4 (Wide), 0.04 lux (B/W) 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
- 30x zoom lens: 3.8 ~ 114 mm (approx. 300x with digital zoom)
- · Pan/Tilt speed of max. 400°/s at preset mode and 0.065°/s super fine control at manual mode
- 5 degrees upper view for various applications
- Auto tracking: The camera automatically pans and tilts to follow a moving subject and keep it in the center of the image.
- VMD (Video Motion Detector) with 4 programmable detection areas and 6 sensitivity levels
- Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Various I/O terminals: ALARM IN 1 / BW IN, ALARM IN 2 / ALARM OUT, ALARM IN 3 / AUX OUT
- Alarm sources include Terminal 1 ~ 3, VMD and Panasonic alarm command. Alarm actions include Preset positions 1 ~ 256, PATROL 1 ~ 4, SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Terminal output, Panasonic protocol output and Auto track.
- Auto Image Stabilizer for applications where vibration or wind is a concern
- Camera title display: 16 alphanumerics OSD and 20 alphanumerics on the browser
- Digital Slip-ring Transmission: The high speed digital video signal supplied by the *Super Dynamic III* DSP travels through the compact slip-ring
- without any DA/AD conversion process preventing image quality loss. • 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 with motion adaptive interlace/progressive conversion allows every image to be clear even when the object is moving.
- PTZ control can be made on the user-friendly GUI with 16 speeds pan/tilt and new "Drag and Zoom" operation enabling finer control.
 256 speeds available for system with WV-CU950 system controller.
- 360° map shot: 8 thumbnail images at 45° intervals make it simple to direct the camera by clicking on a thumbnail.

- Built-in network interface (10Base-T / 100Base-TX)
- Multiscreen: Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only).
- FTP client function enables periodic image data transfer or transfer upon alarm.
- Alarm notification via e-mail
- 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.
- Full duplex 2-way audio allows interactive communication between camera site and monitoring site.
- Alarm log, Manual REC log, FTP error log saved in the SD memory card is displayed on the browser GUI and can be downloaded to the client PC. Playback or Image data download through the log is also available.
- 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
- SD memory card slot for Manual recording. Alarm recording and Backup upon network failure
- Scheduling function for Alarm / VMD / Access permission, Preset position call and Position refresh

Standard Accessories

Operating Instructions 1 pc. CD-ROM 1 pc.	The following items are for installation. • Decorative Cover 1 pc.
The IP setup software, the viewer software and the network operating instructions (PDF) are included on the CD-ROM.	Dust Protection Sheet

Optional Accessories

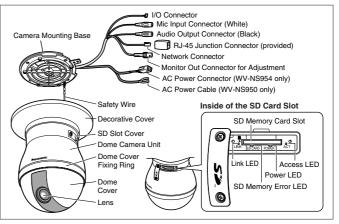


Specifications

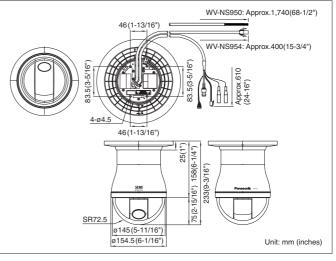
TV System Camera		
Camera	1	NTSC PAL
Camera	Image Sensor	4.5 mm (1/4 inch) interline transfer CCD
	Effective Pixels	768 (H) x 494 (V)
	Scanning Mode	2 : 1 interlace scan (with motion adaptive interlace/progressive conversion)
	Scanning Area	3.59 (H) x 2.70 (V) mm
	Minimum Illumination	Color (30IRE): 0.5 lux (Sens up: OFF), 0.02 lux (Sens up: 32x) at F1.4
		B/W (10IRE): 0.04 lux (Sens up: OFF), 0.0013 lux (Sens up: 32x) at F1.4
	White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)
	Light Control	Automatic integration of ALC/ELC
	AGC	ON (LOW, MID, HIGH) / OFF
	Super Dynamic II	ON / 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, 1/100
		OFF / AUTO (2x / 4x / 6x / 10x / 16x / 32x)
	Digital Noise Reduction Black and White Mode	High/Low, 2D/3D adaptive DNR ON / OFF / Auto (High / Low), Wait time: 10 sec. ~ 5 min.
	Digital Zoom	Up to 10x
	Video Motion Detection	For preset position: 4 programmable detection areas, Sensitivity: 6 steps
	Video Motion Deteolori	Non-preset position: Detects entire screen except clock area, Sensitivity: 6 steps
	Privacy Zone	Up to 8 zones, Gray / Mosaic
	Auto Image Stabilizer	ON / OFF
	Camera Title (OSD)	Up to 16 characters (alphanumeric characters, marks)
	Auto Focus	AUTO
Lens	Focal Length	3.8 mm ~ 114 mm, 30x zoom, 300x with 10x digital zoom
	Zoom Speed	Manual: Approx. 6 sec. (Wide ~ Tele) Preset: Approx. 2 sec. (Wide ~ Tele)
	Angular Field of View	H: 1.9° (Tele) ~ 52.0° (Wide), V: 1.4° (Tele) ~ 40.0° (Wide)
	Maximum Aperture Ratio	
	Focusing Range	1.5 m ~ ∞
	Aperture Range	F1.4 ~ 22, Close
Pan and	Panning Range	360° endless
Tilt	Panning Speed	Manual: Approx. 0.065°/s ~ 120°/s, Up to 256 steps (depending on the controller)
		Preset: up to approx.400°/s
	Tilting Range	-5° ~ 185° (upward-level-downward) Tilting angle limit: 0° / -1° / -2° / -3° / -4° / -5°
	Tilting Speed	Manual: Approx.0.065°/s ~ 120°/s, Up to 256 steps (depending on the controller)
		Preset: up to approx.400°/s
	Proportional Pan/Tilt Control	Yes
	Number of Preset Positions	256
	Auto Mode	OFF / preset sequence / auto pan / auto track / patrol
	Auto Track	Standard Auto track
	Patrol	1/2/3/4
	Image Hold	ON / OFF
	Digital Flip	Yes
	PTZ Position Display	ON / OFF
	Preset Position Setting	Preset ID / Auto focus / Dwell time / SDII / ALC mask area
	Map Shot	360° map shot / preset map shot
Browser	Camera Control	Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom,
GUI		Iris, Preset position call and program, Auto mode
	Display Mode	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only).
	Camera Title	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters
	Camera Title SD Memory Data Download	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded.
	Camera Title SD Memory Data Download Clock Display	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual)
	Camera Title SD Memory Data Download Clock Display Alarm Control	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu	Image from 16 cameras can be displayed in 4 different Quad screens or 16 screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French English, French, Italian, Spanish,
	Camera Title SD Memory Data Download Clock Display Alarm Control	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) German, Russian (Installation
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) German, Russian (Installation required except for English)
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) German, Russian (Installation required except for English) Alarm log, Manual REC log, FTP error log (SD memory required)
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language	Image from 16 cameras can be displayed in 4 different Quad screens or 16 screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit,
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characeters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows® XP Home/Professional SP2
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Cerman, Russian (Installation required except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language.
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit),
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2
	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows® XP Home/Professional SP2) 10Base-T / 100Base-TX, RJ-45 connector
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution	Image from 16 cameras can be displayed in 4 different Quad screens or 16 screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), DBase=T / 100Base=TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240)
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2) 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / CVGA (320 x 240) MPEG-4: Image quality: LOW / NORMAL / FINE, Transmission type: UNICAST / MULTICAST
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS Pust be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2) 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / OVGA (320 x 240) MFEG4: Image quilty: UNIVAST / MULTICAST JPEG: Image quality: 10 steps, Transmission type: UNICAST / MULTICAST
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 1.0 Sta Cannector VGA (640 x 480) / QVGA (320 x 240) MPEG-4: Image quality: 10 steps, Transmission type: UNICAST /MULTICAST MPEG-4: Image quality: 10 steps, Transmission type: ULL / PUSH MPEG-4 and JPEG dual streaming and JPEG multi-resolution supported.
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) English, French, Italian, Spanish, German, Russian (Installation required except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Istere® 50.5P2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), DBase-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240) MPE64-image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEGE Image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEG and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA,
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Reguined except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2) 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / CVGA (320 x 240) MPEG-4: Image quality: 10 steps, Transmission type: UNICAST / MULTICAST JPEG: Image quality: 10 steps, Transmission type: UNICAST / MULTICAST JPEG: Image quality: 10 steps, Transmission type: UNICAST / MULTICAST JPEG: Image JPEG and MPEG-4 simultaneously)
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Regish, French, Italian, Spanish, German, Russian (Installation required except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows XP Home/Professional SP2) 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240) MPEG4: Image quality: 100 steps, Transmission type: UNICAST /MULTICAST JPEG: Image quality: 10 steps, Transmission type: UNICAST / MULTICAST JPEG4: and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French [English, French, Italian, Spanish, (Installation required for French)] Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / OVGA (320 x 240) MPEG-4: Image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEG image quality: 10 steps, Transmission type: ULL / PUSH MPEG-4 and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French [English, French, Italian, Spanish, (Installation required for French)] Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / OVGA (320 x 240) MPEG-4: Image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEG image quality: 10 steps, Transmission type: ULL / PUSH MPEG-4 and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Resolution Image Refresh Rate Audio Compression Audio Mode Authentication for Audio	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French English, French, Italian, Spanish, (Installation required for French) Reguired except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISTa® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISTA® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows) VGA (640 x 480) / OVGA (320 x 240) MPEG4-timage quality: 10 steps. Transmission type: UNICAST MULTICAST JPEG image quality: 10 steps. Transmission type: PULL / PUSH MPEG4 and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG4- simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Authentication for Audio Total Bit Rate	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Reguined except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows® XFH business 32 bit, Microsoft® Windows® XFH ome/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / CVGA (320 x 240) MPEG-4: Image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEG: Image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEG (ADPCM) 32 kbps / 16 / 40 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Hall duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported OS Supported Browser Network IF Image Resolution Image Resolution Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate Max. Bit Rate /	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows Wista® Business 32 bit, Microsoft® Windows Wista® Business 32 bit, Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows Vista® Business 32 bit, Microsoft® Internet Explore® 7.0 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows) VIsta® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows) VIsta® Business 52 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows) VIsta® Business 52 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows) VIsta® Business 62 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows), G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactiv
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate / Client (MPEG-4)	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) German, Russian (Installation required except for English) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS Pusto Sta® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240) MPEG4: Image quality: L0W // NORMAL/FINE, Transmission type: UNICAST /MULTICAST JPEG: Image quality: 10 steps, Transmission type: UNICAST /MULTICAST JPEG4 and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG4-simultaneously) G.726 (ADPCM) 32 kbps / 1 6 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited 64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps or Frame rate priority (4,096 kbps / Unlimited)
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate / Client (MPEG-4)	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows Wista® Business 32 bit, Microsoft® Windows 0 Stat® Dusiness 32 bit, Microsoft® Windows 0 Stat® Dusiness 32 bit, Microsoft® Windows 0 Stat® Dusiness 32 bit, Microsoft® Windows 0 Stat® Business 32 bit, Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISta® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISta® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISta® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISta® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows VISta® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows VISta® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows) VGA (640 x 480) / OVGA (320 x 240) MPEG4-timage quality: 10 Steps, Transmission type: UNICAST MULTICAST JPEG (Image quality: 10 Steps, Transmission type: UNICAST/MULTICAST 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 /
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate / Client (MPEG-4) Supported Protocol	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows VxHome/Professional SP2 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / CVGA (320 x 240) MPEG-4: Image quality: 10 steps. Transmission type: UNICAST /MULTICAST JPEG: Image quality: 10 steps. Transmission type: UNICAST /MUL
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Resolution Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows Wista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explore® 6.0 SP2 (Microsoft® Windows) VP HomelProfessional SP2) 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240) MPEG-4: and JPEG dual streaming and JPEG antIti-resolution supported. 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps or Frame rate priority (4,096 kbps / Unlimited 64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps or Frame rate pr
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS Pusto Sta® Business 32 bit), Microsoft® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS Pusto As a selected GUI language. Windows® Internet Explore® 7.0 (Microsoft® Windows® XP Home/Professional SP2) 10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / OVGA (320 x 240) MPEG4: Image quality: 10N toPs, Transmission type: UNICAST /MULTICAST JPEG: Image quality: 10N /NORMAL/ FINE, Transmission type: UNICAST /MULTICAST JPEG4 and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 1 / 1 5 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG4-s imultaneously) G.726 (ADPCM) 32 kbps / 1 6 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited 64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps or Frame rate priority (4,096 kbps / Unlimited) TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP Alarm image transfer, Periodic image transfer Up to 8 users
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) (Installation required for French) (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows) 10 Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / OVGA (320 x 240) MPEG-4 image quality: 10 steps, Transmission type: PULL / PUSH MPEG4 (ADPCM) 32 kbps / 16 kbps 0FF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps or Frame rate priority (4,096 kbps / Unlimited) TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, S
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported OS Supported Browser Network IF Image Resolution Image Compression Image Refresh Rate Audio Compression Audio Mode Authentication for Audio Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option)	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS must be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows® XP Home/Professional SP2 The language of the OS pase-TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240) MEFG4: Image quality: 100 steps, Transmission type: UNICAST /MULTICAST JPEG4: Image quality: 101 steps, Transmission type: UNICAST /MULTICAST JPEG4 and JPEG dual streaming and JPEG - utili-resolution supported. 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG4-simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited 64 / 128 / 256 / 512 / 1,024 / 1,538 / 2,048 / 3,072 / 4,096 kbps or Frame rate priority (4,096 kbps / Unlimited) TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP Alarm image transfer, Periodic image transfer Up to 8 users Manual REC / Jam REC / Backup upon network failure. Compatible SD card: Panasonic 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB model. SDHC standard card not supported. Yes, Port number assignable. Up to 16 users
GUI	Camera Title SD Memory Data Download Clock Display Alarm Control GUI / Setup Menu Language System Log Supported OS Supported OS Supported Browser Network IF Image Resolution Image Resolution Image Compression Audio Compression Audio Compression Audio Mode Authentication for Audio Total Bit Rate Max. Bit Rate / Client (MPEG-4) Supported Protocol FTP Client No. of Simultaneous Users SD Memory Card (Option) Alarm E-mail	Image from 16 cameras can be displayed in 4 different Quad screens or 16-screen (JPEG only). Up to 20 alphanumeric characters Images recorded in the SD memory card can be downloaded. Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual) Reset English, French (Installation required for French) Alarm log, Manual REC log, FTP error log (SD memory required) Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows Wista® Business 32 bit, Microsoft® Windows Wista® Dusiness 32 bit, Microsoft® Windows Nasta be same as selected GUI language. Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows Vista® Business 32 bit), MiEG-4: and JPEG dual streaming and JPEG multi-resolution supported. 0.1 / 0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously) G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)

TV System NTSC PAL 3x Terminal inputs, VMD, Command alarm Alarm Alarm Source Preset position 1 ~ 256, PATROL 1 ~ 4, SD memory recording, Alarm Actions FTP image transfer, e-mail notification, Indication on browser, Terminal output, Panasonic protocol output, Auto track Alarm Log With SD memory card: 5,000 logs, Without SD memory card: 1,000 logs Alarm / VMD / Access permission. Preset position call. Position refresh Schedule Monitor Output (for adjustment) 1.0 V [P-P] / 75 Ω, NTSC composite, BNC 1.0 V [P-P] / 75 Ω, PAL composite, BNC Input / MIC IN (Applicable microphone; Plug-in power type) Output Microphone Input Supply voltage: 2.5 V ±0.5 V Input impedance: 3 KΩ ±10% Audio Output AUDIO OUT ø3.5 mm stereo mini jack (monaural output) Line level External I/O Terminals ALARM IN 1 / BW IN, ALARM IN 2 / ALARM OUT, ALARM IN 3 / AUX OUT Safety/EMC Standard UL (UL60065), FCC (Part 15 ClassA), CE (EN60065, EN55022 ClassB, General C-UL (CAN/CSA C22.2 No.60065), EN55024), GOST (GOST R 51558) DOC (ICES003 ClassA) WV-NS950: 220 ~ 240 V AC 50 Hz, 16 W Power Source and 24 V AC 60 Hz, 15 W WV-NS954: 24 V AC 50 Hz, 15 W Power Consumption Ambient Operating -10 °C ~ +50 °C (14 °F ~ 122 °F) Temperature/Humidity 90 % or less (without condensation) Dimensions ø154.5 mm x 233 mm (H) (ø6-1/16" x 9-3/16" (H)) Weight (approx.) 2.2 kg (4.84 lbs.) WV-NS950: 2.3 kg (5.06 lbs.) WV-NS954: 2.2 kg (4.84 lbs.)

Part Names and Functions



Appearance



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