

# HD Network Camera WV-SP305



## HD/1,280 x 960 H.264 Network Camera

#### **Key Features**

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier<sup>®</sup>", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Simple Day/Night function: 0.3 lux (Color), 0.2 lux (B/W) at F1.4
- Focus Assist ensures easy installation.
- Digital Noise Reduction: 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 function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 2 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 embedded in the image
- Alarm sources including 1 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/SD 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.
- SDHC/SD 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.
- Alarm log, Manual REC log, FTP error log saved in the SDHC/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: 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

#### **Standard Accessories**

CD-ROM	The followings are for installation.  Power Cable Plug

#### **Optional Accessory**

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

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

\* It is impossible to use lenses without the focus adjustment function or zoom lenses.



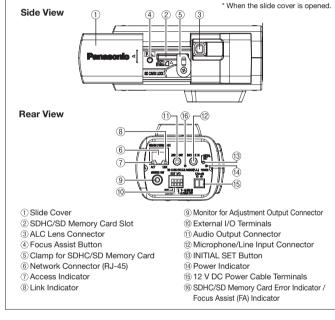
### **Specifications**

Effective Pixels Scanning Mode Progressive scan Scanning Mode Progressive scan Scanning Area 4.8 mm (H) x 3.6 mm (V) Minimum Illumination Cooler .0.3 lux, B/W: 0.2 lux at F1.4 (Shutter: 1/30 s, AGC: Highter and the second of t	TV System	1		NTSC	PAL
Scaming Mode Scaming Area A 8 mm High 2.8 mm of Minimum Illumination Color: 0.3 lux, B/W: 0.2 lux at F1.4 (Shutter: 1/30 s, AGC: High Control Mode Ught Control Mode Light Control Light Co	Camera			1/3 inch MOS Sensor	
Scanning Area   4.5 mm (H) x 3.6 mm (V)   Minimum Illumination   Color: 0.3 tuty, BMV: 0.2 law at F1.4 (Shutter: 1/30 s, AGC: Hig Color: 0.0019 law, BWV: 0.013 law at F1.4 (Shutter: 16/30 s, AGC: Hig Color: 0.0019 law, BWV: 0.013 law at F1.4 (Shutter: 16/30 s, AGC: Hig Color: 0.0019 law, BWV: 0.013 law at F1.4 (Shutter: 16/30 s, AGC: Hig Color: 0.000 c)   Color: 0.000 ki, ATWV (2.700 – 6.000 ki, ATWV (2.700 ki, ATWV					
Minimum Illumination Color: 0.3 lux, B/W: 0.2 lux at F1.4 (Shutter 1/380 s, AGC: H4) White Balance Light Control Mode Light Control Light		Scanning I	Mode	Progressive scan	
Color: 0.019 lux, B.W. 0.113 lux at F1.4 (Shutter. 16/08 a, AGC: Hi White Balance Light Control Mode Uight Control Mode Shutter Speed Fix shutter: CFF (1/30), 47100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 Wide Dynamic Range Adaptive Black Stretch ON / OFF (Only at Wide Dynamic Range: OFF) AGG Electronic Sensitivity UP Simple Day/Night Mode Digital Noise Reduction Video Motion Detection Video Motion Detection Video Motion Detection Video Motion Detection Privacy Zone Up to 2 zones, Gray Camera Title (OSD) Up to 16 alphanumeric characters Focus Adjustment Focus Assist Digital Zoom Digital Zoom Camera Title Up to 20 alphanumeric characters Focus Adjustment Camera Title Up to 20 alphanumeric characters Clock Display Limit Michael Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Middle / Aurio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle /		Scanning /	Area	4.8 mm (H) x 3.6 mm (V)	
White Balance Light Control Mode Ught Control Mode Ught Control Mode Ught Control Mode Outdoor: Authoratic integration of ALC and ELC (up to 1/100 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration indoor [60 Hz		Minimum I	llumination	Color: 0.3 lux, B/W: 0.2 lux at F1	.4 (Shutter: 1/30 s, AGC: High),
White Balance Light Control Mode Ught Control Mode Ught Control Mode Ught Control Mode Outdoor: Authoratic integration of ALC and ELC (up to 1/100 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 indoor [60 Hz]: Automatic integration indoor [60 Hz					
Light Control Mode  Undoor: Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S0 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automatic integration of ALC and ELC (up to 1/100 sindoor (S1 Hz): Automati		White Balance			
Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 indoor ELC: (up to 1/10,000 sec.)					
Shutter Speed Fix shutter: OFF (1/30), 3/100, 3/100, 2/120, 2/120, 1/100, 1/120 set.)  Shutter Speed Fix shutter: OFF (1/30), 3/100, 3/120, 2/120, 1/100, 1/10, 1/120, 1/250, 1/3500, 1/1,000, 1/12,000, 1/1,000, 1/10,000  Wide Dynamic Range ON / OFF (Only at Wide Dynamic Range: ON)  Adaptive Black Strey ON / OFF (Only at Wide Dynamic Range: ON)  AGC 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), 16x (16/3		Light Cont	TOT WIDGE		
ELC: (up to 1/10,000 sec.)  Shutter Speed Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100, 1/120					
Shutter Speed					
1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000					
Wide Dynamic Range   Cont / OFF   Conly at Wide Dynamic Range: ON)   Adaptive Black Stretch   ON / OFF (Only at Wide Dynamic Range: ON)   Adaptive Black Stretch   ON / OFF (Only at Wide Dynamic Range: OFF)   ON (LOW, MID, HIGH) / OFF   OFF / AIDT (ONL)   OFF (Only at Wide Dynamic Range: OFF)   ONL (OW, MID, HIGH) / OFF   OFF / AIDT (ONL)   OFF (Only at Wide Dynamic Range: OFF)   ONL (OW, MID, HIGH) / OFF   OFF / AIDT (ONL)   OFF   OFF / ONL (ONL)   OFF   ONL (ONL)   OFF   ONL (ONL)   OFF   ONL (ONL)   ONL (ONL		Shutter Sp	eed		
Face Wide Dynamic Range Adaptive Black Stretch AGG ON / OFF (Only at Wide Dynamic Range: ON) AGGC 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) Simple Day/Night Mode AUTO / OFF Digital Noise Reduction Video Motion Detection 4 areas, Sensitivity: 15 steps, Detection size: 10 steps Privacy Zone Camera Title (OSD) Focus Adjustment Focus Assist Camera Control Display Mode Spot, Quad: Image from 16 cameras can be displayed in 4 different Cscress or 15 spit sterene (JPGC only); 20 characters camera title avail: Digital Zoom 1x, 2x, 4x controlled by browser GUI Camera Title Up to 20 alphanumeric characters Clock Display Time: 1244/24H, Date: 5 formats on the browser, Summer time (Max Alarm Control One Shot Capture Audio One Shot Capture Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio GUI/Setup Menu Language GUI/Setup Menu Menu Menu Menu Menu Menu Menu Menu					
Adaptive Black Stretch AGC ON (LOW, MID, HIGH) / OFF Electronic Sensitivity UP OFF / AUTO (Max. 2s (250 s), 4x (430 s), 6x (630 s), 10x (1030 s), 16x (1503 s) mipe Day/Night Mode AUTO / OFF Digital Noise Reduction Video Motion Detection Privacy Zone Camera Title (OSD) Carear Title (OSD) Up to 16 alphanumeric characters Focus Adjustment Focus Assist Focus Adjustment Focus Assist Display Mode Spot, Quad: Image from 16 cameras can be displayed in 4 different C screens or 16 spilt screen (JPEG only). 20 characters camera title availate of the control of the c		Wide Dyna	mic Range	ON / OFF	
AGC Electronic Sensitivity U For FAUTO Max. 2x (220 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s) Simple Day/Night Mode AUTO / OFF Digital Noise Reduction High / Low Video Motion Detection Privacy Zone Up to 2 zones, Gray Up to 2 zones, Gray Up to 2 zones, Gray Camera Title (OSD) Up to 16 alphanumeric characters Focus Adjustment Low Find Camera Title Up to 20 alphanumeric characters Clock Display Time: 12H/24H, Date: 5 formats on the browser, Summer time (Mar Audio Alarm Control Reset Cone Shot Capture A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio O		Face Wide [	Dynamic Range	ON / OFF (Only at Wide Dynamic Range: ON)	
AGC Electronic Sensitivity U For FAUTO Max. 2x (220 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s) Simple Day/Night Mode AUTO / OFF Digital Noise Reduction High / Low Video Motion Detection Privacy Zone Up to 2 zones, Gray Up to 2 zones, Gray Up to 2 zones, Gray Camera Title (OSD) Up to 16 alphanumeric characters Focus Adjustment Low Find Camera Title Up to 20 alphanumeric characters Clock Display Time: 12H/24H, Date: 5 formats on the browser, Summer time (Mar Audio Alarm Control Reset Cone Shot Capture A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio O		Adaptive E	Black Stretch	ON / OFF (Only at Wide Dynamic Range: OFF)	
Electronic Sensitivity UP OFF AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (8/30 s), 10x (10/30 s), 16x (16/35 s) The Implication of					
Simple Day/Night Mode   AUTO / OFF   High / Low   Video Motion Detection   Video Motion Privacy Zone   Camera Title (OSD)   Up to 16 alphanumeric characters   Focus Adjustment   Focus Assist   Focus Adjustment   Focus Assist   Focus Adjustment   Focus Assist   Digital Zoom   Spot, Quad: Image from 16 cameras can be displayed in 4 different Camera Title   Up to 20 alphanumeric characters   Ciock Display   Time: 12H/24H, Date: 5 formats on the browser, Summer time (Mar Alarm Control   Reset   One Shot Capture   A still picture will be displayed on a newly opened window.   Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: ON / OFF Volume adjustment: Low / Middle / Hadio Output: On / Orf Output: On / O		Electronic Sensitivity UP Simple Day/Night Mode			
Digital Noise Reduction   High / Low   Video Motion Detection   Privacy Zone   Up to 2 zones, Gray   Camera Title (OSD)   Up to 16 alphanumeric characters   Focus Adjustment   Focus Assist   Camera Control   Brightness, AUX ON / OFF   Display Mode   Spot, Quad: Image from 16 cameras can be displayed in 4 different C screens or 16 split screen (JPEG only). 20 characters camera title avail: 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 (Mar Alarm Control   Reset   One Shot Capture   A still picture will be displayed on a newly opened window. Audio   Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle				AUTO / OFF	
Video Motion Detection   4 areas, Sensitivity: 15 steps, Detection size: 10 steps					
Privacy Zone   Up to 2 zones, Gray					
Camera Title (OSD)					
Focus Adjustment   Focus Assist					
Browser GUI Display Mode Spot, Quad: Image from 16 cameras can be displayed in 4 different C screens or 16 spits creen (JPEG orly); 20 characters camera title avail: Digital Zoom 1x, 2x, 4x controlled by browser GUI Camera Title Up to 20 alphanumeric characters Clock Display Alarm Control Reset One Shot Capture Audio Mc (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output:		Camera Title (OSD)			
Display Mode Spot, Quad: Image from 16 cameras can be displayed in 4 different C screens or 16 spit screen (JPEG only). 20 characters camera title available of the control		Focus Adju	ustment		
Display Mode Spot, Quad: Image from 16 cameras can be displayed in 4 different C screens or 16 spit screen (JPEG only). 20 characters camera title available of the control	Browser	-			
Screens or 16 split screen (JPEG only), 20 characters camera title availated to 2 and phanumeric characters   Clock Display   Time: 12H/24H, Date: 5 formats on the browser, Summer time (Mai Alarm Control   Reset	GUI			•	
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 (Mar Alarm Control Reset One Shot Capture A still picture will be displayed on a newly opened window. Audio Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / Middle / H Audio Out	-	.,,	-	· · · · · · · · · · · · · · · · · · ·	
Camera Title Up to 20 alphanumeric characters  Clock Display Time: 12H/24H, Date: 5 formats on the browser, Summer time (Mar Alarm Control Reset  One Shot Capture A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H SD Memory Data Download  GUI/Setup Menu Language  GUI/Setup Menu Language  GUI/Setup Menu Language  System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory card can be download (Installation required for French)  System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG.) error logs  Supported OS Microsoff® Windows® 7 Professional 64 bit/32 bit, Microsoff® Windows® 7 Professional 64 bit/32 bit, Microsoff® Windows® 7 Professional 64 bit/32 bit, Microsoff® Windows® 7 Professional 8PB  The language of the OS must be same as selected GUI language of the OS must be same as		Digital Zoom		7/	
Clock Display  Alarm Control  Reset  One Shot Capture  A still picture will be displayed on a newly opened window.  Audio  Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H  Audio Output: ON / OFF Volume adjustment: Low / Middle / H  Audio Output: ON / OFF Volume adjustment: Low / Middle / H  Audio Output: ON / OFF Volume adjustment: Low / Middle / H  Audio Output: ON / OFF Volume adjustment: Low / Middle / H  Audio Output: ON / OFF Volume adjustment: Low / Middle / H  Audio Output: ON / OFF Volume adjustment: Low / Middle / H  SD Memory Data Download  Sill or motion Images recorded in the SDHC/SD memory card can be download  GUI/Setup Menu Language  English, French (Installation required for French)  Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when to the coording format is set to JPEG.) error logs  Supported OS  Microsoff® Windows® 7 Professional 64 bit/32 bit, Microsoff® Windows® NP Professional 8P3  The language of the OS must be same as selected GUI langue  Supported Browser  Windows® Internet Explore® 8.0 32 bit (Microsoff® Windows® 7 64 bit/32 with Microsoff® Windows Vista® Business SP1 33 bit, Microsoff® Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows® XP Professional Newtows Internet Explore® 6.0 SP3 (Microsoff® Windows					
Alarm Control  A still picture will be displayed on a newly opened window.  Audio  Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Boll of Middle /					
One Shot Capture					
Audio  Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H Audio Output: ON / OFF Volume adjustment: Low / Middle / H SD Memory Data Download GUI/Setup Menu Language English, French (Installation required for French) System Log  Up to 100 (Internal), Up to 4,000 (SDHC/SD memory card can be download (Installation required for French) Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, French, Italian, Spanish, German, Russian (Installation required except for English, Microsoff® Windows® 7 Professional Spanish, Professional Spanish, Microsoff® Windows® 7 Professional Spanish, Microsoff® Windows® 7 Professional Spanish, Microsoff® Windows® 7 Professional Spanish Network					
Audio Output: ON / OFF Volume adjustment: Low / Middle / H SD Memory Data Download Still or motion Images recorded in the SDHC/SD memory card can be download GUl/Setup Menu Language English, French (Installation required for French) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when the recording format is set to JPEG.) error logs  Supported OS Microsoft® Windows® XP Professional 64 bit/32 bit, Microsoft® Windows® XP Professional 64 bit/32 bit, Microsoft® Windows® XP Professional SP3 The language of the OS must be same as selected GUI la					
SD Memory Data Download GUI/Setup Menu Language English, French (Installation required for French) System Log Up to 100 (Internal), Up to 4,000 (SDHC/SD memory when t recording format is set to JPEG.) error logs Supported OS Microsoft® Windows® 7 Professional 64 bit/32 bit, Microsoft® Windows® 7 Professional 64 bit/32 bit, Microsoft® Windows® XP Professional SP3 The language of the OS must be same as selected GUI langu. Supported Browser Windows® Internet Explore® 8.0 32 bit (Microsoft® Windows® 7 6 bit/32 bit, Microsoft® Windows® Nata® Business SP1 32 bit, Microsoft® Windows® Internet Explore® 8.0 SP3 (Microsoft® Windows® 7 6 bit/32 bit, Microsoft® Internet Explore® 8.0 SP3 (Microsoft® Windows® XP Professional Network  Network  Network Net		Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,	
Supported OS				Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
		SD Memory Data Download		Still or motion Images recorded in the SD	HC/SD memory card can be downloaded
		GUI/Setup Menu Language		English, French	English, French, Italian,
System Log					
System Log				(installation required for 1 renotly	
Recording format is set to JPEG.) error logs		System Log		Un to 100 (Internal) Un to 4 000	· · · · · · · · · · · · · · · · · · ·
Supported OS   Microsoft® Windows® 7 Professional 64 bit/32 bit, Microsoft® Windows Vista® Business SP1 32 bit, Microsoft® Windows® XP Professional SP3 The language of the OS must be same as selected GUI langu.		System Log			
Microsoft® Windows Vista® Business SP1 32 bit,		0 1 100			
Microsoft® Windows® XP Professional SP3		Supported OS			
The language of the OS must be same as selected GUI langu.					
Supported Browser					
Windows® Internet Explore® 7.0 (Microsoft® Windows Vista® Business SP1 3: Microsoft® Internet Explore® 6.0 SP3 (Microsoft® Windows® XP Professional Microsoft® Internet Explore® 6.0 SP3 (Microsoft® Windows® XP Professional 10 Base - T / 100 Base - TX, RJ - 45 connector				The language of the OS must be same as selected GUI language	
Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Professional 10Base=T7 / 100Base=TX, RJ-45 connector 1 mage Resolution   4:3  MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps JPEG: 1,280 × 960 / 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 × 180, up to 30 fps JPEG: 1,		Supported	Browser	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit),	
Network   Network   F   10Base-T / 100Base-TX, RJ-45 connector   Image   Aspect ratio:   H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps   JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps   JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps   JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps   J				Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit),	
Image   Aspect ratio:   H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps   MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 30 fps   Aspect ratio:   H.264: 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: 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: 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: 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 ×				Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Professional SP3)	
Image   Aspect ratio:   H.264: 1,280 × 960 / VGA (640 × 480) / QVGA (320 × 240), up to 30 fps   MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 30 fps   Aspect ratio:   H.264: 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: 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: 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: 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 ×	Network	Network IF		10Base-T / 100Base-TX, RJ-45	connector
Resolution				· ·	
Negro   Negr		_			
Aspect ratio: H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps			[-1.0]		
Transmission   Normal		*1 *2	Anno -t		
H.264/ MPEG-4					
MPEG-4					
Frame Rate				Constant bitrate / Framerate pri	ority
30 fps   20 / 30 fps		MPEG-4			
30 fps   20 / 30 fps		*1	Frame Rate	1/3/5/7.5/10/15/20/	1/3/5/7.5/10/12/15/
Bit Rate/ Client 4,096 / 8,192" kbps / Unlimited * H.264 mode only Image Quality Refresh Interval 0.1 fps ~ 30 fps Transmission Type JPEG Image Quality Industry Industry Industry Image Quality Industry			1		
Client 4,096 / 8,192* kbps / Unlimited * H.264 mode only Image Quality Refresh Interval 0.1 fps ~ 30 fps Transmission Type UNICAST / MULTICAST  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 di Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 788 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlir Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN IPv4: TCP/IP, UDP/IP, HTTP, RTP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNNS, NTP, SNMP FTP Client Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)			Bit Rate/		
Image Quality   LOW / NORMAL / FINE					
Refresh Interval   0.1 fps ~ 30 fps   Transmission Type   UNICAST / MULTICAST   UNICAST / UN					mode only
Transmission Type					
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 di 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 / Unlin   Supported Protocol   IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SM   IPv4: TCP/IP, UDP/IP, HTTP, RTP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNNS, NTP, SNMP   FTP Client   Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)					
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 di Authentication for Audio Total Bit Rate 64/128 / 256/384 / 512/788 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlir Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN IPv4: TCP/IP, UDP/IP, HTTP, RTP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP FTP Client Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)		IDE 0			
Audio Compression  G.726 (ADPCM) 32 kbps / 16 kbps  Audio Mode  OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full di Authentication for Audio Level 1 only / Level 2 higher / All users  Total Bit Rate  64 / 128 / 256 / 334 / 512 / 788 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlir  Supported Protocol  IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP  FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)		JPEG		· · · · · · · · · · · · · · · · · · ·	
Audio Mode  OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full di 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 / Unlir  Supported Protocol  IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN  IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP  FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)					
Audio Mode  OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full di 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 / Unlir  Supported Protocol  IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN  IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP  FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)					
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 / Unlir  Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP  FTP Client Alarm image transfer, Periodic image transfer, Active/Passiv, selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)				OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
Total Bit Rate  64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin  Supported Protocol  IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN  IPv4: TCP/IP, UDP/IP, HTTP, RTP, RTP, RTP/RTCP, FTP,  SMTP, DHCP, DNS, DNNS, NTP, SNMP  FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv  selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)					
Supported Protocol  IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SN IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DNS, NTP, SNMP  FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)				, ,	
IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SMMP  FTP Client Alarm image transfer, Periodic image transfer, Active/Passis selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)					
SMTP, DHCP, DNS, DDNS, NTP, SNMP  FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)		FTP Client			
FTP Client  Alarm image transfer, Periodic image transfer, Active/Passiv selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)				IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP,	
selectable (When the FTP periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)					
backup on an optional SDHC/SD memory card is available.)				Alarm image transfer, Periodic image transfer, Active/Passive	
				backup on an optional SDHC/SD memory card is available.)	
List, of Officializations obcision to 14 abels (Debellas of Helwork Continions)					

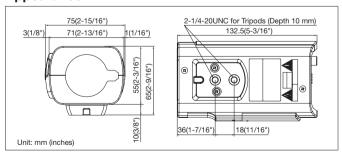
TV System		NTSC	PAL	
Network	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post)		
(Option)		JPEG recording: Manual REC / Alarm REC (Post) / Backup upon		
		network failure Compatible SD (SDHC) card: Panasonic 256 MB,		
		512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	1 terminal input, 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 Alarm / VMD / Access permission		
	Schedule			
Input/	Monitor Output	1.0 V [p-p] / 75 Ω,	1.0 V [p-p] / 75 Ω,	
Output	(for adjustment)	NTSC composite, RCA Jack	PAL 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 typ		
		Supply voltage: 2.5 V ±0.5 V input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	ternal I/O Terminals ALARM IN, ALARM OUT, AUX 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 Consumption	12 V DC: 270 mA, PoE (IEEE 802.3af): 3.4 W		
	Ambient Operating	-10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90 % or less (without condensation)		
	Dimensions	75 mm (W) x 65 mm (H) x 132.5mm (L) (2-15/16" (W) x 2-9/16" (H) x 5-3/16" (L))		
	Weight (approx.)	390 g (0.86 lbs.)		

<sup>\*1</sup> H.264 and MPEG-4 are alternative. \*2 [4:3] and [16:9] are alternative.

#### **Part Names and Functions**



#### **Appearance**

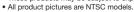


#### Trademarks and registered trademarks

- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
- UniPhier is a registered trademark of Panasonic Corporation.
   "Super Dynamic", "SDII", "SDII", "SD5!", "SD5Link", "i-PRO" and "i-PRO SmartHD" logos are trademarks or registered trademarks

- 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
- 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.



#### **DISTRIBUTED BY:**

