

## Super Dynamic III Weather Resistant Dome Network Camera WV-NW960 Series

NTSC WV-NW964 (24 V AC) PAL WV-NW960 (220 ~ 240 V AC) WV-NW964 (24 V AC)



## Weather Resistant 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
- 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.
- 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
- 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
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Built-in fan/heater/sun shield for temperature changes of -40 °C ~ +50 °C (-40 °F ~ +122 °F)

#### **Standard Accessories**

- Front/rear sun shield ...... 1 set
   Front/rear sun shield mounting screws

- The following items are for installation.

#### **Optional Accessory**

Wall Mount Bracket WV-Q122



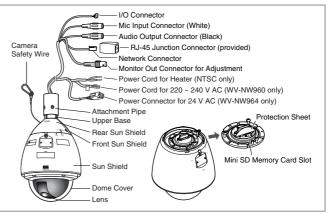
This catalog is provided for all over the world. Some accessories may not be available in some countries

### Specifications

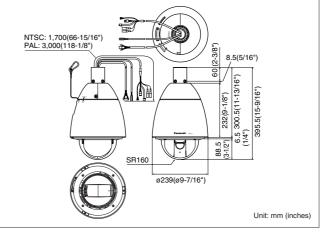
Scanning Area         3.59 (H) x 2.70 (V) n           Minimum IIIumination         Color (30IRE): 0.51 ux           BW (10IRE): 0.04 ux         BW (10IRE): 0.04 ux           White Balance         AWC (2.000 - 10.000 K           Light Control         Automatic integration           AGC         ON / OFF (Wth BLC           Dynamic Range         52 dB typical (Super           Electronic Shutter         OFF (1/BO), AUTO, '           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / AUTO (2x / 4x)           Video Motion Detection         For preset position: 4 p           Non-preset position: 24e         Non-preset position: 4p           Video Motion Detection         For preset position: 24e           Privacy Zone         Up to 10x           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. (           Angular Field of View         H: 1.9' (Tele) ~ 52.0           Maximum Aperture Ratio         1 : 1.4 (Wide) - 3.7           Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 065'/s           Preset         Preset Position 256           Auto Track			
Scanning Mode         2: 1 interface scan (with Scanning Area         3.59 (H) x.2.70 (V) m           Minimum Illumination         Color (30IRE): 0.5 lux         B/W (10IRE): 0.04 lux (           White Balance         AWC (2,000 – 10,000 K)         Light Control         Automatic integration           AGC         ON (LOW, MID, HIG         Super Dynamic III         ON / OFF (With BLC           Dynamic Range         52 dB typical (Super         Electronic Shutter         OFF (1/60), AUTO, 1           Electronic Shutter         OFF (1/60), AUTO, 2D/3D ad         Black and White Mode         ON / OFF / Auto (Hig           Digital Zoom         Up to 10x         Video Motion Detection         For preset position: 2be           Privacy Zone         Up to 8 zones, Gray         Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters:         Auto Focus         AUTO           Lens         Focal Length         3.8 mm - 114 mm, 3         Zoom Speed           Angular Field of View         H: 1.9'' (Tele) ~ 52.0         Mainium Aperture Ratio         1: 1.4 (Wide) ~ 3.7           Focusing Range         1: 1.4 ~ 22, Close         Panning Range         360'' endless           Titling Speed         Manuai: Approx. 0.65's         Preset: up to approx           Parotur Range         F1: 4 ~ 22, Close	terline transfer CCD		
Scanning Area         3.59 (H) x 2.70 (V) n           Minimum Illumination         BW (10IRE): 0.64 lax (           White Balance         AWC (2.000 - 10.000 K)           Light Control         Automatic integration           AGC         ON (LOW, MID, HIG           Super Dynamic III         ON / OFF (With BLC           Dynamic Range         52 dB typical (Super           Electronic Shutter         OFF (1/60), AUTO, '           Electronic Shutter         OFF / AUTO (2x / 4x)           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: 4 p           Non-preset position: 200         Video Motion Detection           Privacy Zone         Up to 10x           Auto Focus         AUTO           Zoom Speed         Manual: Approx. 6 sec. (           Angular Field of View         H: 1.9° (Tele) - 52.0           Maximum Aperture Range         Fi.4 ~ 22, Close           Panning Range         360° encless           Titting Range         -6' - 185' (upward-leveld)           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Track         Standard Auto track           Pitz Position Setting         Preset Up Auto foc.			
Minimum Illumination         Color (30IRE): 0.5 lux BW( (10IRE): 0.6 lux ( White Balance           AWC (2,000 - 10,000 K) Light Control         Automatic integration           AGC         ON (LOW, MID, HIG Super Dynamic III         ON / OFF (With BLC Dynamic Range 52 dB typical (Super Electronic Sensitivity UP OFF / AUTO (2x / 4x Digital Noise Reduction           Black and White Mode         ON / OFF / Auto (Hig Digital Zoom         Up to 10x           Video Motion Detection         For preset position: 4p Nonpreset position: 2be Privacy Zone         Up to 8 zones, Gray Auto Image Stabilizer           Auto Focus         AUTO           Lens         Focal Length         3.8 mm - 114 mm, 3 Zoom Speed           Auto Focus         AUTO           Auto Focus         AUTO           Auto Speed         Manual: Approx. 0.665% Preset: up to approx           Panning Range         1.5 m - ∞           Aperture Range         For - 152 (upward-leveld           Titting Range         -5 - 153 (upward-leveld	h motion adaptive interlace/progressive conversion)		
BW (10IRE): 0.04 lux (           White Balance         AWC (2,000 – 10,000 K)           Light Control         Automatic integration           AGC         ON (LCW, MID, HIG           Super Dynamic III         ON / OFF (With BLC           Dynamic Range         52 dB typical (Super           Electronic Shutter         OFF (1/60), AUTO, 'E           Electronic Sensitivity UP         OFF (1/60), AUTO, 'E           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / Auto (Hig           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: 4p           Non-preset position: Dete         Privacy Zone           Privacy Zone         Up to 8 zones, Gray           Auto Focus         AUTO           Zoom Speed         Manual: Approx. 6 sec. (           Angular Field Of View         H: 1.9" (Tele) - 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) - 3.7           Preset: Data Bange         360° endiess           Titt         Panning Range         360° endiess           Panning Speed         Manual: Approx. 0.065%           Preset: Data Parture Ratio         1.12./3.4           Iting Pandi         Preset: Data Parture Ratio      <			
White Balance         AWC (2,000 - 10,000 K)           Light Control         Automatic integration           AGC         ON (LOW, MID, HIG           Super Dynamic III         ON / OFF (With BLC           Dynamic Range         52 dB typical (Super           Electronic Snutter         OFF (AUTO (2x./4)           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / AUTO (2x./4)           Video Motion Detection         For preset position: 4 p           Auto Focus         AUTO           Lans         Focal Length         3.8 mm - 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. (           Angular Field of View         H: 1.9° (Tele) - 52.0           Maximum Aperture Range         1.1.4 (Wide) - 3.7 (           Focal Length         3.8 mm - 114 mm, 3           Zoom Speed         Manual: Approx. 0.65%           Preset: up to approx         Preset: up to approx           Preset: up to approx         Preset: up to approx	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		
Light Control         Automatic integration           AGC         ON (LOW, MID, HIG           Super Dynamic III         ON / OFF (With BLC           Dynamic Range         52 dB typical (Super           Electronic Sensitivity UP         OFF / AUTO (2x / 4x)           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / Auto (Hig           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: bete           Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSU)         Up to 16 characters           Auto Focus         AUTO           Lengt         Focal Length         3.8 mm - 114 mm, 3           Zoom Speed         Manual: Approx. 0.665%           Paning Range         1.5 m - ∞           Aperture Range         F1.4 - 22, Close           Panning Range         -5° - 185' (upward-level)           Titling Speed         Manual: Approx. 0.665%           Preset: up to approx         Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Position S256         Auto Mode           OFF / preset acosition O tipplay         ON / OFF			
AGC         ON (LOW, MID, HIG, Super Dynamic III         ON / OFF (With BLC, Dynamic Range         52 dB typical (Super Electronic Shutter           Digital Noise Reduction         High/Low, 2D/3D ad Black and White Mode         ON / OFF / AUTO (2x / 4x Digital Zoom           Digital Zoom         Up to 10x         Video Motion Detection         For preset position: 4 p Non-preset position: Dete Privacy Zone           Video Motion Detection         For preset position: 2 p Non-preset position: 2 p Nature Farge           Lens         Focal Length         3.8 mm – 114 mm, 3 Zoom Speed           Auto Track         Farange         1: 1.4 (Wide) – 3.7 ( Focusing Range           Preparture Range         F1.4 ~ 22, Close           Panning Range         360° endless           Panning Range         360° map shor preset           Tilting Range         -5° - 185° (upward-leveld           Tilting Speed         Manual: Approx.065% - Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 Automatic integration of ALC/ELC ON (LOW, MID, HIGH) / OFF		
Super Dynamic III         ON / OFF (With BLC Dynamic Range         52 dB typical (Super Electronic Shutter           Digital Noise Reduction         High/Low, 2D/3D ad Black and White Mode         ON / OFF / Auto (Hig Digital Zoom           Video Motion Detection         For preset position: 4 p Non-preset position: Dete Privacy Zone         Up to 10x           Video Motion Detection         For preset position: Dete Privacy Zone         Up to 8 zones, Gray Auto Image Stabilizer           Camera Title (OSD)         Up to 16 characters: Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3 Zoom Speed           Aperture Range         1: 51.4 (Wide) ~ 3.7 ( Focusing Range         1: 51.4 ~ 22, Close           Panning Range         360° enclless         Preset: up to approx           Panning Speed         Manual: Approx.0.065'/s Preset: up to approx           Proportional Pan/Tilt Control         Yes           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Setting         Preset Dol Auto foco           Map Shot         360° map shot / preset           GUI         Supported Download         Image recorded in 1           Clock Display         Time: 12H/1/24H, Date			
Dynamic Range         52 dB typical (Super Electronic Shutter           OFF (1/60), AUTO, ': Electronic Sensitivity UP         OFF / AUTO (2x / 4x Digital Noise Reduction           Digital Zoom         Up to Tox           Video Motion Detection         For preset position: 2be Privacy Zone           Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters: Auto Focus           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 32           Zoom Speed         Manual: Approx. 6 sec. ()         ()           Aperture Range         F1.4 ~ 22, Close           Aperture Range         F1.4 ~ 22, Close           Panning Range         5° ~ 185' (upward-leveld           Titing Range         -5° ~ 185' (upward-leveld           Titing Range         -5° - 185' (upward-leveld           Totack <td< td=""></td<>			
Electronic Shutter         OFF (1/60), AUTO, :           Electronic Sensitivity UP         OFF / AUTO (2x / 4x           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / Auto (Hig           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: 4 p           Non-preset position: Dete         Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF         Camera Title (OSD)         Up to 16 characters           Auto Focus         AUTO         Focal Length         3.8 mm ~ 114 mm, 2           Zoom Speed         Manual: Approx. 6 sec. (         Angular Field of View         H: 1.9" (Tele) ~ 52.0           Maximum Aperture Range         F1.4 - 22, Close         Panning Range         360° endless           Panning Range         5° - 185' (upward-level-d)         Titling Range         5° - 185' (upward-level-d)           Tilting Range         -5° - 185' (upward-level-d)         Preset: up to approx           Proportional Pan/Tilt Control         Yes         Yes           Number of Preset Positions         256         Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4         Image Forol 6 came         Auto Track           Patrol         1	C masking 8 x 6 areas)		
Electronic Shutter         OFF (1/60), AUTO, 7           Electronic Sensitivity UP         OFF / AUTO (2x / 4x)           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / Auto (Hig           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: 4 p           Non-preset position: Dete         Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF         Camera Title (OSD)         Up to 16 characters           Auto Focus         AUTO         Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 2         Zoom Speed         Manual: Approx. 6 sec. (I           Angular Field of View         H: 1.9" (Tele) ~ 52.0         Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 - 22, Close         Panning Speed         Manual: Approx.0.065%           Preset: up to approx         Preset: up to approx         Preset: up to approx           Titting Range         -5" - 185" (upward-level-d           Titting Speed         Manual: Approx.0.065%           Preset: up to approx         Preset Position Sign           PTZ Position Display         ON / OFF           Ptrack	r Dynamic III: ON, Shutter speed: OFF)		
Electronic Sensitivity UP         OFF / AUTO (2x / 4x           Digital Noise Reduction         High/Low, 2D/3D ad           Black and White Mode         ON / OFF / Auto (Hig           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: Dete           Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. (           Angular Field of View         H: 1.9° (Tele) ~ 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (           Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close           Panning Range         360° enclless           Titting Range         -5° - 185' (upward-leveld)           Titting Speed         Manual: Approx.0.065'/s           Preset: up to approx         Preset: up to approx           Proportional Pan/Tit Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track			
Digital Noise Reduction         High/Low, 2D/3D ad Black and White Mode           Digital Zoom         Up to 10x           Video Motion Detection         For preset position: Dete Privacy Zone           Privacy Zone         Up to 8 zones, Gray Auto Image Stabilizer           Camera Title (OSD)         Up to 16 characters: Auto Focus           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3. Zoom Speed           Manual: Approx. 6 sec. ( Angular Field of View         H: 1.9° (Tole) ~ 52.0 Maximum Aperture Ratio           1: 1.4 (Wide) - 3.7 ( Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close           Panning Range         360° endless           Panning Speed         Manual: Approx.0065's Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset control         Pan/Tilt (16 steps), Z           Map Shot         360° mag shot / pres			
Black and White Mode         ON / OFF / Auto (Hig Digital Zoom         Up to 10x           Video Motion Detection         For preset position: Dete Non-preset position: Dete Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF         Camera Title (OSD)         Up to 16 characters: Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3         Zoom Speed         Manual: Approx. 6 sec. ()           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (Focusing Range         1.5 m ~ ∞         Aperture Range         F1.4 - 22, Close           Panning Range         15.6 m ~ ∞         Aperture Range         F1.4 - 22, Close         Preset: up to approx           Titing Range         -5° - 185' (upward-leveld)         Titing Range         -5° - 185' (upward-leveld)           Proportional Pan/Tilt Control         Yes         Preset: up to approx         Preset: up to approx           Titing Speed         Manual: Approx.0.065%         Preset: up to approx         Preset Positions         256           Auto Mode         OFF / preset sequer         Auto Mode         OFF / preset sequer         Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4         Image Hold         ON / OFF         Preset Position Setting         Preset Position of app and/Tilt (16 steps), Z <td< td=""><td colspan="3" rowspan="5">High/Low, 2D/3D adaptive DNR ON / OFF / Auto (High / Low), Wait time: 10 sec. ~ 5 min. Up to 10x For preset position: 4 programmable detection areas, Sensitivity: 6 step</td></td<>	High/Low, 2D/3D adaptive DNR ON / OFF / Auto (High / Low), Wait time: 10 sec. ~ 5 min. Up to 10x For preset position: 4 programmable detection areas, Sensitivity: 6 step		
Digital Zoom         Up to 10x           Video Motion Detection         For preset position: 4 p Non-preset position: Determine           Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters:           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. (I           Angular Field of View         H: 1.9° (Tele) ~ 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (Focusing Range           Aperture Range         F1.4 ~ 22, Close           Panning Range         360° endless           Titting Speed         Manual: Approx. 0.065%           Preset: up to approx         Preset: up to approx           Proportional Pan/Tilt Control Yes         Number of Preset Positions           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Preset Position Setting         Preset LD / Auto focc.           Map Shot         360° map shot / pres           GUI         Display Mod			
Video Motion Detection         For preset position: 4 p Non-preset position: Dete Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. ( Angular Field of View         H: 1.9° (Tele) ~ 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 ( Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close         Panning Range           Panning Range         360° encliess         Preset: up to approx           Titting Range         -5° - 185° (upward-leveld         Titting Speed           Manual: Approx.0.065%         Preset: up to approx           Proportional Pan/Titt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 cogulnanume           SD         S			
Non-presel position: Dele           Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters:           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. (           Angular Field of View         H: 1.9° (Tole) ~ 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (           Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close           Panning Range         360° endless           Preset: up to approx         Tilting Range           Tilting Speed         Manual: Approx.0065's.           Preset: up to approx         Proportional Pan/Titl Control           Auto Mode         OFF / preset sequer           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 1D / Auto foc.           Map Shot         360° map shot / pres           Browser         Camera Control         Praest<			
Privacy Zone         Up to 8 zones, Gray           Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters:           Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. ()         Anarimum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (Focusing Range           Aperture Range         F1.4 - 22, Close         Aperture Range         F1.4 - 22, Close           Panning Range         360° endless         Preset: up to approx         Preset: up to approx           Titing Range         -5° - 185' (upward-leveld)         Titing Range         -5° - 185' (upward-leveld)           Proportional Pan/Till Control         Yes         Preset: up to approx         Preset: up to approx           Titing Speed         Manual: Approx.0.065%         Preset: up to approx         Preset           Proportional Pan/Till Control         Yes         Yes         Yes           PTTZ Position Display         ON / OFF         Preset Position Stating         Preset Partol         1 / 2 / 3 / 4           Image Hold         ON / OFF         Preset Position Stating         Preset Partol         1 / 2 / 3 / 4           Image Acontrol         Bresoser         Gud         Jagage         Camera Control			
Auto Image Stabilizer         ON / OFF           Camera Title (OSD)         Up to 16 characters           Auto Focus         AUTO           Lens         Focal Length         3.8 mm - 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. (I           Angular Field of View         H: 1.9° (Tele) - 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) - 3.7 (I           Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close           Pan and         Panning Range         360° endless           Titting Range         -5° - 185' (upward-level-d           Titting Speed         Manual: Approx.0.065'/s           Preset: up to approx         Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 position ot           GUI         Display Mode         Image recorded in 1	Non-preset position: Detects entire screen except clock area, Sensitivity: 6 step		
Camera Title (OSD)         Up to 16 characters Auto Focus           Auto Focus         AUTO           Focal Length         3.8 mm ~ 114 mm, 3 Zoom Speed           Angular Field of View         H: 1.9° (Tele) - 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 ( Focusing Range           Aperture Range         F1.4 ~ 22, Close           Pan         Panning Range         360° endless           Panning Speed         Manual: Approx.0.065% Preset: up to approx.           Titting Range         -5° - 185° (upwad-leveld           Titting Speed         Manual: Approx.0.065% Preset: up to approx.           Proportional Pan/Tit Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Sting         Preset position of ame           GUI         Display Mode         Image secorded in t           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset         GUI / Setup Menu           Langua	Up to 8 zones, Gray / Mosaic ON / OFF		
Auto Focus         AUTO           Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. ( Angular Field of View         H: 1.9° (Tole) ~ 52.0           Maximum Aperture Ratio         1 : 1.4 (Wide) ~ 3.7 ( Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close         Panning Range           Panning Range         360° endless         Preset: up to approx           Tilting Speed         Manual: Approx.0065's. Preset: up to approx           Proportional Pan/Tilt Control         Yes           Auto Mode         OFF / preset sequer           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 position of a came           GUI         Display Mode         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset         GUI / Setup Menu           English, French         Language         Image secorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset			
Lens         Focal Length         3.8 mm ~ 114 mm, 3           Zoom Speed         Manual: Approx. 6 sec. ()         Angular Field of View         H: 1.9° (Tele) ~ 52.0           Maximum Aperture Ratio         1: 1.14 (Wide) ~ 3.7         Focusing Range         F1.4 - 22, Close           Pan and         Panning Range         F1.4 - 22, Close         Preset: up to approx           Tilt         Panning Speed         Manual: Approx.0.065%         Preset: up to approx           Tilting Range         -5° - 185' (upward-level-d)         Triting Speed         Manual: Approx.0.065%           Preset: up to approx         Preset: up to approx         Preset: up to approx         Preset: up to approx           Proportional Pan/Tilt Control         Yes         Yes         Preset: Up to approx           Number of Preset Positions         256         Auto Track         Standard Auto track           Auto Track         Standard Auto track         Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF         Preset Position Display         ON / OFF           Preset Position Display         ON / OFF         Preset Position Classet         May Shot as0'' map shot / pres           GUI         Display Mode         Image from 16 came         4 different Quad sort           GUI         Display Mode         Images r	(alphanumeric characters, marks)		
Zoom Speed         Manual: Approx. 6 sec. (L Angular Field of View         H: 1.9° (Tele) ~ 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 ( Focusing Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close           Pan and         Panning Range         360° endless           Tilting Range         -5° - 185° (upward-level-d)           Tilting Speed         Manual: Approx.0.065%. Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Mode         OFF / preset sequer           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 position of a 360° map shot / pres           GUI         Display Mode         Image from 16 came 4 different Quad scr           Camera Title         Up to 20 alphanume SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control           Reset         GUI / Setup Menu Language         English, French			
Zoom Speed         Manual: Approx. 6 sec. (L Angular Field of View         H: 1.9° (Tele) ~ 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (Focusing Range         1.5 m ~ ∞           Aperture Range         1.5 m ~ ∞         Aperture Range         Focusing Range         360° endless           Panning Range         360° endless         Preset: up to approx         Tilting Range         -5° - 185' (upward-level-d)           Tilting Speed         Manual: Approx.0.065%:         Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Preset Position Display         ON / OFF           Preset Position Setting         Preset LD / Auto foc.           Map Shot         360° map shot / pres           GUI         Display Mode         Image from 16 came           4 different Quad scr         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1           Clark Display         Time: 12H / 24H, Date: <tr< td=""><td>30x zoom, 300x with 10x digital zoom</td></tr<>	30x zoom, 300x with 10x digital zoom		
Angular Field of View         H: 1.9° (Tele) - 52.0           Maximum Aperture Ratio         1: 1.4 (Wide) ~ 3.7 (Focusing Range           Aperture Range         1.5 m ~ ∞           Aperture Range         F1.4 ~ 22, Close           Pan and         Panning Range         360° endless           Tilting Range         -5° - 185° (upward-level-d)           Tilting Speed         Manual: Approx.0.065'/s           Preset: up to approx         Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Parol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Display         ON / OFF           Preset Position Display         ON / OFF           Olisplay Mode         Image from 16 came           GUI         Display Mode         Image secorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset         GUI / Setup Menu           Language         Image secorded in 1      <	Manual: Approx. 6 sec. (Wide ~ Tele) Preset: Approx. 2 sec. (Wide ~ Tele)		
Maximum Aperture Ratio         1: 1.4 (Wide) - 3.7 ( Focusing Range           Aperture Range         F1.4 ~ 22, Close           Panning Range         360° endless           Panning Range         360° endless           Panning Speed         Manual: Approx.0.065%. Preset: up to approx           Tilting Speed         Manual: Approx.0.065%. Preset: up to approx           Proportional Pan/Tilt Control         Yes           Auto Mode         OFF / preset sequer           Auto Mode         OFF / preset sequer           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 position of a came           4 different Quad scror         Camera Control           Browser         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in to Clock Display           Clu/ Setup Menu         English, French           Language         Microsoft® Windows           Microsoft® Nemet Explored*         Microsoft® Windows           Supported OS         Microsoft® Niemet Explored*           Network         Image	H: 1.9° (Tele) ~ 52.0° (Wide), V: 1.4° (Tele) ~ 40.0° (Wide)		
Focusing Range         1.5 m - ∞           Aperture Range         F1.4 - 22, Close           Panning Range         360° endless           Panning Speed         Manual: Approx.0.065%, Preset: up to approx           Tilting Range         -5° - 185' (upward-leveld)           Tilting Speed         Manual: Approx.0.065%, Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Preset Position Display         ON / OFF           Preset Position Setting         Preset ID / Auto foc.           Map Shot         360° map shot / prese           GUI         Display Mode         Image from 16 came           Display Mode         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         Microsoft® Mindows           Microsoft® Windows®         The language of the 1           Supported OS         Microsoft® Windows           Microso			
Aperture Range         F1.4 - 22, Close           Pan and Tilt         Panning Range         360° endless           Preset:         up to approx           Tilting Range         -5° - 185° (upward-level-d           Tilting Speed         Manual: Approx.0065%. Preset:         Preset:         up to approx           Proportional Pan/Tilt Control         Yes         Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256         Auto track         Patanol         1/2/3/4           Image Hold         ON / OFF         Digital Flip         Yes         Preset:         Preset Position         256           Auto Mode         OFF / preset sequer         Auto track         Patanol         1/2/3/4         Image Hold         ON / OFF           Digital Flip         Yes         PTZ Position Display         ON / OFF         Preset Position Setting         Preset D/ Auto foc.           Map Shot         360° map shot / pres         260° map shot / pres         210/ Auto foc.           GUI         Display Mode         Image from 16 came         4 different Quad scr           Camera Title         Up to 20 alphanume         SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control <t< td=""><td colspan="2"></td></t<>			
Pan and Tilt         Panning Range         360° endless           Tilt         Panning Speed         Manual: Approx.0.065'/s. Preset: up to approx           Tilting Range         -5° - 185' (upward-level-d)           Tilting Speed         Manual: Approx.0.065'/s. Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 position of a mag shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), Z           Marma Control         Image rom 16 came         4 different Quad sort           Camera Title         Up to 20 alphanume         SD Memory Data Download         Images recorded in t           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset           GUI / Setup Menu         Language of the '         Supported OS         Microsoft® Windows'           Supported Browser         Windows' Intenet Explored'         Microsoft® Windows'			
Tilt         Panning Speed         Manual: Approx. 0.065% Preset: up to approx           Tilting Range         -5° - 185° (upward-leveld           Tilting Speed         Manual: Approx. 0.065% Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 position of a map shot / preset position of a map shot / preset position of a map shot / preset position of a marge from 16 camera           GUI         Display Mode         Images recorded in to Clock Display           Time: 12H / 24H, Date:         Alarm Control         Reset           GUI / Setup Menu         English, French         Language           Language         Mindows         Microsoft® Windows           Microsoft® Nemory Data Download         Image and puperation of the set o			
Preset: up to approx           Tilting Range         -5' - 185' (upward-level-d)           Tilting Speed         Manual: Approx.0065'/s.           Preportional Pan/Tilt Control         Yes           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 1D / Auto foc.           Map Shot         360° map shot / pres           GUI         Display Mode         Image from 16 came           Display Mode         Image from 16 came         4 different Quad sort           Camera Title         Up to 20 alphanume         SD Memory Data Download         Image secorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset           GUI / Setup Menu         English, French         Language         Instorsoft® Windows           Microsoft® Undows         Microsoft® Nindows         Microsoft® Inteme Explore?           Supported Browser         Windows® Intemet E	100%/s Lists 050 1 / / " "		
Tilting Range       -5° - 186° (upward-level-d)         Tilting Speed       Manual: Approx.0.065°/s.         Preset: up to approx         Proportional Pan/Tilt Control       Yes         Number of Preset Positions       256         Auto Mode       OFF / preset sequer         Auto Track       Standard Auto track         Patrol       1 / 2 / 3 / 4         Image Hold       ON / OFF         Digital Flip       Yes         PTZ Position Display       ON / OFF         Preset Positions Setting       Preset ID / Auto foc.         Map Shot       360° map shot / pres         GUI       Display Mode       Image from 16 came         4 different Quad scr       Camera Title       Up to 20 alphanume         SD Memory Data Download       Images recorded in 1       Clock Display         Iarm Control       Reset       GUI / Setup Menu       English, French         Language       Alarm log, Manual Ri       Supported OS       Microsoft® Windows         Microsoft® Network       Network IF       10Base-T / 100Base       Image Resolution       VGA (640 x 480) / Q         Supported Browser       Windows® Intemet Explored       Microsoft® Netmet Explored       Microsoft® Netmet Explored         Network IF       10Bas	Manual: Approx. 0.065°/s ~ 120°/s, Up to 256 steps (depending on the controller)		
Tilting Speed       Manual: Approx.0.065% - Preset: up to approx         Proportional Pan/Tilt Control       Yes         Number of Preset Positions       256         Auto Mode       OFF / preset sequer         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 foct         Map Shot       360° map shot / pres         Browser       Camera Control         Bay Shot       360° map shot / pres         GUI       Display Mode       Image from 16 came         Bromory Data Download       Images recorded in 1         Clock Display       Time: 12H / 24H, Date:         Alarm Control       Reset         GUI       Supported S       Microsoft® Windows         Supported OS       Microsoft® Windows         The language of the 1       Supported Browser         Network       Network IF       10Base-T / 100Base         Image Resolution       VGA (640 x 480) / Q         Image Refresh Rate       0.1 / 0.2 / 0.3 / 0.5 / 1.2 / 10 / 10.5 / 0.2 / 10 / 10.5 / 0.2 / 10 / 10.5 / 0.2 / 10 / 10.5 / 0.2 / 10 / 10.5 / 0.2 / 10 / 10.5 / 0.	Preset: up to approx. 400°/s		
Preset: up to approx           Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           Auto Track         Standard Auto track           Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Setting         Preset 1D / Auto focc.           Map Shot         360° map shot / preset           Guin         Display Mode         Image from 16 came           4 different Quad scrc         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1         Clock Display           GUI / Setup Menu         English, French         Language           GUI / Setup Menu         English, French         Language of the i           Supported OS         Microsoft® Windows         The language of the i           Supported Browser         Windows® Internet Explored*           Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q	$-5^\circ$ ~ 185° (upward-level-downward) Tilting angle limit: 0° / –1° / –2° / –3° / –4° / –5°		
Proportional Pan/Tilt Control         Yes           Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 foc.           Map Shot         360° map shot / prese           GUI         Display Mode         Image from 16 came           Display Mode         Image from 16 came           A different Quad sorre         Camera Control           BD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         Alarm log, Manual RI           Supported OS         Microsoft® Windows           Microsoft® Nindows         Microsoft® Internet Exploref           Supported Browser         Windows® Internet Exploref           Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q           Image Resolution	Manual: Approx.0.065°/s ~ 120°/s, Up to 256 steps (depending on the controller)		
Number of Preset Positions         256           Auto Mode         OFF / preset sequer           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 foc.           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), z           GUI         Display Mode         Image from 16 came           4 different Quad sort         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1         Clock Display           GUI / Setup Menu         English, French         Language           Language         Alarm log, Manual Ri         Supported OS           Microsoft® Nindows         Microsoft® Windows         Microsoft® Windows           Microsoft® Internet Explore <sup>AI</sup> Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q         Image Quality. UW           MPEG-4 and JPEG dua         Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q         Image auality.	Preset: up to approx. 400°/s		
Auto Mode         OFF / preset sequer           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 foct           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), Z           Display Mode         Image from 16 came         4 different Quad sord           Camera Title         Up to 20 alphanume         SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset           GUI         Settup Menu         English, French         Language           Language         Alarm log, Manual Ri         Supported OS         Microsoft® Windows'           Supported Browser         Windows' Intemet Explored''         Windows' Intemet Explored''           Network         Network IF         10Base-T / 100Base         Image quality           MPE-4: Image quality         MPE-4: Image quality         MPE-4: Image quality           MPE-4: And JPEG dua         Image Refresh Rate         0.1/0.2/0.33/0.5/1/12           M	Yes		
Auto Mode         OFF / preset sequer           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 foct           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), Z           Display Mode         Image from 16 came         4 different Quad sord           Camera Title         Up to 20 alphanume         SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset           GUI         Settup Menu         English, French         Language           Language         Alarm log, Manual Ri         Supported OS         Microsoft® Windows'           Supported Browser         Windows' Intemet Explored''         Windows' Intemet Explored''           Network         Network IF         10Base-T / 100Base         Image quality           MPE-4: Image quality         MPE-4: Image quality         MPE-4: Image quality           MPE-4: And JPEG dua         Image Refresh Rate         0.1/0.2/0.33/0.5/1/12           M	256		
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 foc.           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Titl (16 steps), Z           GUI         Display Mode         Image from 16 camera           Browser         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         (Installation required '           Supported OS         Microsoft® Windows'           The language of the '         Supported Browser           Windows® Internet Explored''         Microsoft® Internet Explored''           Network         IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q           Image Refresh Rate         0.1/0.2/0.33/0.5/1/2           10 ips-QVGA when transf	OFF / preset sequence / auto pan / auto track / patrol		
Patrol         1 / 2 / 3 / 4           Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Setting         Preset ID / Auto foct           Map Shot         360° map shot / prese           Browser         Camera Control         Pan/Tilt (16 steps), Z           Display Mode         Image from 16 came         4 different Quad sort           Camera Title         Up to 20 alphanume         SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset         GUI / Setup Menu         English, French           Language         (Installation required'         Supported OS         Microsoft® Windows         Microsoft® Windows           Supported Browser         Windows® Internet Explore®         Mindows® Internet Explore@           Image Resolution         VGA (640 x 480) / Q         Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q         Image Reader and JPEG dua           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1.1 / 2         10 ips-QVGA when trans           Audio Compression         G.726 (ADPCM) 32         Audio Mode         OFF / Mic input / Audio ou			
Image Hold         ON / OFF           Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Setting         Preset ID / Auto foc.           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), Z           Display Mode         Image from 16 came         4 different Quad sord           Camera Title         Up to 20 alphanume         SD Memory Data Download           SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         Microsoft® Windows           Microsoft® Internet Explored*         Supported OS           Microsoft® Internet Explored*         Microsoft® Internet Explored*           Network         Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Refresh Rate         0.1 / 0.2 / 0.3 / 0.5 / 1/ 2           Muido Mode         OFF / Mic input / Audio ou           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Levid 2           Total Bit Rate /         64 / 128 /			
Digital Flip         Yes           PTZ Position Display         ON / OFF           Preset Position Setting         Preset ID / Auto focu           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), Z           GUI         Display Mode         Image from 16 came           SD demory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI         System Log         Alarm log, Manual Ri           System Log         Alarm log, Manual Ri           Supported OS         Microsoft® Windows'           The language of the 1         Supported Browser           Supported Browser         Windows' Interest Explored'           Microsoft® Interest Explored'         Microsoft® Undows'           The language of the 1         Supported Growser           Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q           Image Refresh Rate         0.1 / 0.2 / 0.3 / 0.5 / 1.2 / 10           Muio Compression         G.726 (ADPCM) 32           Audio Compression         G.726 (ADPCM) 32           Audio Compression         G.726 (ADPCM) 32			
PTZ Position Display         ON / OFF           Preset Position Setting         Preset ID / Auto focc.           Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Tilt (16 steps), Z           Birowser         Display Mode         Image from 16 came           A different Quad scrr         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1         Clock Display           GUI / Setup Menu         English, French         Language           GUI / Setup Menu         English, French         (Installation required           Supported OS         Microsoft® Windows         Microsoft® Windows           The language of the i         Supported Browser         Windows® Internet Explored           Network         Network IF         10Base-T / 100Base         Image Addity: L0W           PEG: Image quality         MPEG-4 and JPEG dua         Image Resolution         VGA (640 x 430) / Q           Image Refresh Rate         0.1 / 0.2 / 0.3 / 0.5 / 1.2 / 10 ips-QVGA when transf         Audio Compression         G.726 (ADPCM) 32 / Audio Mode           Audio Compression         G.726 (ADPCM) 32 / Audio Mode         OFF / Mic input / Audio au           Audio Compression         G.726 (ADPCM) 32 / Audio Mode         OFF / Mic input / Audio au <td colspan="2"></td>			
Preset Position Setting         Preset ID / Auto foct.           Map Shot         360° map shot / preset           Browser         Camera Control         Pan/Tilt (16 steps), Z           GUI         Display Mode         Image from 16 camera           Display Mode         Image from 16 camera         4 different Quad sorre           Camera Title         Up to 20 alphanume         SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset           GUI / Setup Menu         English, French         Language         Instrosoft® Windows           System Log         Alarm log, Manual RI         Supported OS         Microsoft® Windows           Microsoft® Unindows/         The language of the 4         Supported Browser         Windows® Internet Exploref           Network         IF         10Base-T / 100Base         Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q         Image Resolution         WPEG-4 and JPEG dua           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1.1 / 2         10 ips-QVGA when trans           Audio Compression         G.726 (ADPCM) 32         Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         G.726 (ADPCM) 32			
Map Shot         360° map shot / pres           Browser         Camera Control         Pan/Till (16 steps), Z           GUI         Display Mode         Image from 16 came           Display Mode         Image from 16 came           A different Quad scrrt         Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1         Clock Display           Clock Display         Time: 12H / 24H, Date:         Alarm Control         Reset           GUI / Setup Menu         English, French         Language         (Installation required)           Supported OS         Microsoft® Windows'         The language of the 1           Supported Browser         Windows® Internet Explore <sup>64</sup> Network         Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / 02         Image quality .DW           ME64: Image quality .DW         MPE64: Image quality .DW         JPE63 Image quality .DW           Mage Refresh Rate         0.1 / 0.2 / 0.3 / 0.5 / 1 / 2         10 ips-0VGA when transf           Audio Compression         G.726 (ADPCM) 32         Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 onty / Level 2         Total Bit Rate         64 / 128 / 256 / 512 / 1           Ma			
Browser GUI         Camera Control         Pan/Tilt (16 steps), Z Iris, Preset position o lingplay Mode           Display Mode         Image from 16 came 4 different Quad scr Camera Title         Up to 20 alphanume SD Memory Data Download           SD Memory Data Download         Images recorded in 1 Clock Display         Time: 12H / 24H, Date: Alarm Control           Reset         GUI / Setup Menu Language         English, French (Installation required ' System Log         Alarm log, Manual Ri Supported OS           Supported Browser         Microsoft® Windows' The language of the 0 Microsoft® Internet Explore Microsoft® Internet Explore Micros	Preset ID / Auto focus / Dwell time / SDII / ALC mask area		
GUI         Iris, Preset position of Display Mode         Iris, Preset position of A different Quad scrr 4 different Quad scrr Up to 20 alphanume           SD Memory Data Download         Images recorded in I Clock Display         Images recorded in I Clock Display           Alarm Control         Reset         GUI / Setup Menu Language         English, French (Installation required in System Log           Supported OS         Microsoft® Windows Microsoft® Windows The language of the i Supported Browser         Windows <sup>6</sup> Internet Explored <sup>6</sup> Windows <sup>6</sup> Internet Explored <sup>6</sup> Windows <sup>6</sup> Internet Explored <sup>6</sup> Microsoft® Internet Explored <sup>6</sup> Image Resolution         VGA (640 x 480) / Q Image Compression           Network         Network IF         10Base-T / 100Base Image Resolution         VGA (640 x 480) / Q Image Compression           MEG-4, and JPEG dua Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 10 ips-QVGA when transf Audio Compression         G.726 (ADPCM) 32 I Audio Mode           Audio Image Fire Rate         64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 64 / 128 / 256 / 512 / 1	360° map shot / preset map shot		
Display Mode         Image from 16 came 4 different Quad scre Camera Title         Up to 20 alphanume SD Memory Data Download           SD Memory Data Download         Images recorded in 1 Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset         GUI / Setup Menu Language         English, French (Installation required)           System Log         Alarm log, Manual RI Supported OS         Microsoft® Windows Microsoft® Windows The language of the 1           Supported Browser         Windows® Microsoft® Internet Explore <sup>44</sup> Network           Network         Network IF         10Base-T / 100Base Image Resolution         VGA (640 x 480) / Q MPEG-4: Image quality MPEG-4: and JPEG dual Umage Compression           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/2 10 jis-0VGA when transr Audio Compression         G.726 (ADPCM) 32 Audio Mode           Audio Mode         OFF / Micinput / Audio ou Authentication for Audio         Level 1 only / Level 2 Total Bit Rate / 64 / 128 / 256 / 512 / 1 Max. Bit Rate / 04 / 128 / 256 / 512 / Client (MPEG-4)         or Frame rate priority Supported Protocol           FTP Client         Alarm image transfe No. of Simultaneous Users         Up to 8 users	Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom,		
4 different Quad scra Camera Title         Up to 20 alphanume SD Memory Data Download           SD Memory Data Download         Images recorded in 1 Clock Display           Clock Display         Time: 12H / 24H, Date: Alarm Control           Reset         GUI / Setup Menu           Language         (Installation required)           System Log         Alarm log, Manual RI Supported OS           Supported Browser         Windows' Microsoft® Unindows' The language of the 1 Supported Browser           Network         Network IF           10Base-T / 100Base- Image Resolution         VGA (640 x 480) / Q Image Compression           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/ 2 10 ips-QVGA when transr Audio Compression           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Total Bit Rate /         64 / 128 / 256 / 512 / Max. Bit Rate /           G4 / 128 / 256 / 512 / Dient (MPEG-4)         Trerame rate priority Supported Protocol           TOP/IP, HT         DHCP, DNS, DDNS           FTP Client         Al	Iris, Preset position call and program, Auto mode		
4 different Quad scra Camera Title         Up to 20 alphanume SD Memory Data Download           SD Memory Data Download         Images recorded in 1 Clock Display           Clock Display         Time: 12H / 24H, Date: Alarm Control           Reset         GUI / Setup Menu           Language         (Installation required)           System Log         Alarm log, Manual RI Supported OS           Supported Browser         Windows' Microsoft® Unindows' The language of the 1 Supported Browser           Network         Network IF           10Base-T / 100Base- Image Resolution         VGA (640 x 480) / Q Image Compression           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/ 2 10 ips-QVGA when transr Audio Compression           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Total Bit Rate /         64 / 128 / 256 / 512 / Max. Bit Rate /           G4 / 128 / 256 / 512 / Dient (MPEG-4)         Trerame rate priority Supported Protocol           TOP/IP, HT         DHCP, DNS, DDNS           FTP Client         Al	Image from 16 cameras can be displayed in		
Camera Title         Up to 20 alphanume           SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         (Installation required '           System Log         Alarm log, Manual Ri           Supported OS         Microsoft® Windows'           The language of the U         Windows' Internet Explored'           Supported Browser         Windows' Internet Explored'           Network         Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q         MPEG-4 and JPEG dua           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/ 2         10 ips-QVGA when transf           Audio Compression         G.726 (ADPCM) 32         Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2         Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1         Max. Bit Rate / 0 or Frame rate priorith           Supported Protocol         TCP/IP, UDP/IP, HT         DHCP, DNS, DDNS,           FTP Client         Alarm image transfe         No. of Simultaneous Users	4 different Quad screens or 16-screen (JPEG only).		
SD Memory Data Download         Images recorded in 1           Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         (Installation required)           System Log         Alarm log, Manual RI           Supported OS         Microsoft® Windows           Microsoft® Windows         The language of the 1           Supported Browser         Windows® Internet Explored?           Microsoft® Internet Explored?         Microsoft® Windows           Image Resolution         VGA (640 x 480) / Q           Image Resolution         VGA (640 x 480) / Q           Image Refresh Rate         0.1 / 0.2 / 0.3 / 0.5 / 1 / 2           Metio Compression         MPEG-4 and JPEG dua           Image Refresh Rate         0.7 / 26 / 0.3 / 0.5 / 1 / 2           Audio Compression         G.726 (ADPCM) 32 / 10 ips-QVGA when transf           Audio Compression         G.726 (ADPCM) 32 / 26 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1<	Up to 20 alphanumeric characters		
Clock Display         Time: 12H / 24H, Date:           Alarm Control         Reset           GUI / Setup Menu         English, French           Language         (Installation required')           System Log         Alarm log, Manual Ri           Supported OS         Microsoft® Windows           The language of the I         Supported Browser           Windows®         The language of the I           Supported Browser         Windows® Internet Explored*           Network         Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4: Image quality           MPEG-4: Image quality         MPEG-4: Mage quality L0W           JPEG: Image quality         MPEG-4: And JPEG due           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/2           Image Refresh Rate         0.1 / 0.2 / 0.3 / 0.5 / 1/2           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Autientication for Audio         Level 1 only / Level 2           Total Bit Rate /         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1	Images recorded in the SD memory card can be downloaded.		
Alarm Control         Reset           GUI / Setup Menu Language         English, French (Installation required)           System Log         Alarm log, Manual RI Supported OS           Supported OS         Microsoft® Windows Microsoft® Windows? The language of the t           Supported Browser         Windows? Microsoft® Internet Explore           Network         Network IF         10Base-T / 100Base Image Resolution           VGA (640 x 480) / Q Image Compression         MFEG-4: Image quality MPEG-4 and JPEG dual Ups-QVGA when transr Audio Compression           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio         Level 1 only / Level 2 Total Bit Rate / G4 / 128 / 256 / 512 / 1 Max. Bit Rate / Supported Protocol         G4 / 128 / 256 / 512 / 1 Max. Bit Rate / DHCP, DNS, DDNS FTP Client           FTP Client         Alarm image transfe No. of Simultaneous Users         Up to 8 users	Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual		
GUI / Setup Menu Language         English, French (Installation required)           System Log         Alarm log, Manual Ri           Supported OS         Microsoft® Windows Microsoft® Windows The language of the Supported Browser           Supported Browser         Windows® Internet Explore/ Microsoft® Internet			
Language         (Installation required System Log           Supported OS         Microsoft® Windows Microsoft® Windows The language of the i           Supported Browser         Windows® Internet Explored Windows® Internet Explored Windows® Internet Explored Windows® Internet Explored Image Resolution           Network         Network IF           10Base-T / 100Base Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4 and JPEG dua Image Refresh Rate           0.1/0.2/0.33/0.5/1/2         10 ips-QVGA when transr Audio Compression           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Level 1 only / Level 2         Total Bit Rate           64 / 128 / 256 / 512 / Max. Bit Rate /         of + 128 / 256 / 512 / DHCP/IP, UDP/IP, HT           Supported Protocol         TCP/IP, UDP/IP, JDP/IP, JDP/IP, JDP/IP, JDP/IP, JDP/IP, JDP/IP, JDHCP, DNS, DDNS, FTP Client           Alarm image transfe No. of Simultaneous Users         Up to 8 users	English Errort Holice C 11		
System Log         Alarm log, Manual RI           Supported OS         Microsoft® Windows           Microsoft® Windows         Microsoft® Windows           Supported Browser         Windows® Internet Explored           Supported Browser         Windows® Internet Explored           Microsoft® Nobass         Microsoft® Windows           Network         Network IF         10Base-7 / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4: Image quality: L0W           JPEG: Image quality         MPEG-4 and JPEG due           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1 / 2           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TOP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	English, French, Italian, Spanish		
Supported OS         Microsoft® Windows Microsoft® Windows The language of the t Supported Browser           Supported Browser         Windows® Internet Explore <sup>40</sup> Microsoft® Internet Ex			
Supported OS         Microsoft® Windows Microsoft® Windows The language of the t Supported Browser           Supported Browser         Windows® Internet Explore <sup>40</sup> Microsoft® Internet Ex	required except for English)		
Supported OS         Microsoft® Windows Microsoft® Internet Explored Supported Browser           Supported Browser         Windows? The language of the i Microsoft® Internet Explored?           Network         Network IF         10Base-T / 100Base Image Resolution           VGA (640 x 480) / Q Image Compression         MFEG-4: Image quality MPEG-4 and JPEG du JpEG: Image quality MPEG-4 and JPEG du Joiso-QVGA when transr Audio Compression           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Total Bit Rate         64 / 128 / 256 / 512 / Max. Bit Rate /           Client (MPEG-4)         or Frame rate priority Supported Protocol           TCP/IP, UDP/IP, HT         DHCP, DNS, DDNS FTP Client           FTP Client         Alarm image transfe No. of Simultaneous Users	EC log, FTP error log (SD memory required)		
The language of the U           Supported Browser         Windows® Internet Explore           Microsoft® Internet Explore         Windows® Internet Explore           Network         10Base-7 / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4 image quality: L0W           JPEG-1 image quality: L0W         JPEG-2 image quality: L0W           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/2           Iudio Compression         G.726 (ADPCM) 32           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TOP/IP, DD/IP, HT           DHCP, DNS, DDNS,         FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	Vista <sup>®</sup> Business 32 bit,		
Supported Browser         Windows <sup>®</sup> Internet Explor Microsoft <sup>®</sup> Internet Explorance           Network         Network IF         10Base-7 / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4. Image quality: L0W           JPEG: Image quality: L0W         JPEG: Image quality: L0W           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1 / 2           10 ips-QVGA when transr         Audio Compression           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TOP//P, UDP//P, HT           DHCP, DNS, DDNS,         FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	<sup>®</sup> XP Home/Professional SP2		
Supported Browser         Windows <sup>®</sup> Internet Explor Microsoft <sup>®</sup> Internet Explorance           Network         Network IF         10Base-7 / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4. Image quality: L0W           JPEG: Image quality: L0W         JPEG: Image quality: L0W           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1 / 2           10 ips-QVGA when transr         Audio Compression           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TOP//P, UDP//P, HT           DHCP, DNS, DDNS,         FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	OS must be same as selected GUI language		
Microsoft <sup>®</sup> Internet Explore <sup>43</sup> Network         Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MFE-4: Image quality           MPEG-4: Image quality         MPEG-4: Image quality           MPEG-4: And JPEG du         Image compression           Image Compression         0.1 / 0.2 / 0.33 / 0.5 / 1/2           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1/2           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS         FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit),		
Network         Network IF         10Base-T / 100Base           Image Resolution         VGA (640 x 480) / Q           Image Compression         MPEG-4: Image quality: L0W           MPEG-4: Image quality: MPEG-4 and JPEG (Image quality: MPEG-4 and JPEG duality)           Image Refresh Rate         0.1 / 0.2 / 0.33 / 0.5 / 1 / 2           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows® XP Home/Professional SP2)		
Image Resolution         VGA (640 x 480) / Q           Image Compression         MPE64: Image quality: L0W           MPEG-4 and JPEG duality: MPEG-4 and JPEG duality: L0W           Image Refresh Rate         0.1/0.2/0.33/0.5/1/2           Audio Compression         G.726 (ADPCM) 32           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Autientication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client           Alarm image transfe         No. of Simultaneous Users			
Image Compression         MPEG-4: Image quality: LOW JPEG: Image quality: LOW JPEG: Image quality: LOW MPEG-4 and JPEG dua Image Refresh Rate           Image Refresh Rate         0.1/02/033/05/1/2           10 ips-QVGA when transr           Audio Compression         G.726 (ADPCM) 32           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou Authentication for Audio           Level 1 only / Level 2         Total Bit Rate           G4 / 128 / 256 / 512 / 1         Max. Bit Rate /           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client           Alarm image transfe         No. of Simultaneous Users	10Base-T / 100Base-TX, RJ-45 connector VGA (640 x 480) / QVGA (320 x 240)		
JPEG: Image quality MPEG-4 and JPEG due Image Refresh Rate 0.1/0.2/0.33/0.5/1/2 10 ips-QVGA when transr Audio Compression G.726 (ADPCM) 32 Audio Mode OFF/Mic input/Audio ou Authentication for Audio Level 1 only / Level 2 Total Bit Rate 64/128/256/512/1 Max. Bit Rate / 64/128/256/512/ Client (MPEG-4) or Frame rate priorith Supported Protocol TCP/IP, UDP/IP, HT DHCP, DNS, DDNS, FTP Client Alarm image transfe No. of Simultaneous Users Up to 8 users	VGA (640 X 480) / QVGA (320 X 240) MPEG-4: Image quality: LOW / NORMAL / FINE, Transmission type: UNICAST / MULTICAST		
MPEG-4 and JPEG dual           Image Refresh Rate         0.1/0.2/0.33/0.5/1/2           10 ips-QVGA when trans           Audio Compression         G.726 (ADPCM) 32           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client           No. of Simultaneous Users         Up to 8 users			
Image Refresh Rate       0.1/0.2/0.33/0.5/1/2         10 ips-QVGA when transr         Audio Compression       G.726 (ADPCM) 32         Audio Mode       OFF / Mic input / Audio ou         Authentication for Audio       Level 1 only / Level 2         Total Bit Rate       64 / 128 / 256 / 512 / 1         Max. Bit Rate /       64 / 128 / 256 / 512 / 1         Client (MPEG-4)       or Frame rate priority         Supported Protocol       TCP/IP, UDP/IP, HT         DHCP, DNS, DDNS,       FTP Client         Alarm image transfe       No. of Simultaneous Users	JPEG: Image quality: 10 steps, Transmission type: PULL / PUSH		
10 ips-QVGA when transr           Audio Compression         G.726 (ADPCM) 32'           Audio Mode         OFF / Mic input / Audio ou           Authentication for Audio         Level 1 only / Level 2           Total Bit Rate         64 / 128 / 256 / 512 / 1           Max. Bit Rate /         64 / 128 / 256 / 512 / 1           Client (MPEG-4)         or Frame rate priority           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client           Alarm image transfe         No. of Simultaneous Users	MPEG-4 and JPEG dual streaming and JPEG multi-resolution supported		
Audio Compression     G.726 (ADPCM) 32       Audio Mode     OFF / Mic input / Audio ou       Authentication for Audio     Level 1 only / Level 2       Total Bit Rate     64 / 128 / 256 / 512 / 1       Max. Bit Rate /     64 / 128 / 256 / 512 / 1       Client (MPEG-4)     or Frame rate priority       Supported Protocol     TOP//P, UDP//P, HT       DHCP, DNS, DDNS,     FTP Client       Alarm image transfe     No. of Simultaneous Users	0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max rate will be 5 ips-VGA		
Audio Mode     OFF / Mic input / Audio ou       Authentication for Audio     Level 1 only / Level 2       Total Bit Rate     64 / 128 / 256 / 512 / 1       Max. Bit Rate /     64 / 128 / 256 / 512 / 1       Client (MPEG-4)     or Frame rate priority       Supported Protocol     TCP/IP, UDP/IP, HT       DHCP, DNS, DDNS,     FTP Client       Alarm image transfe     No. of Simultaneous Users	10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously)		
Audio Mode     OFF / Mic input / Audio ou       Authentication for Audio     Level 1 only / Level 2       Total Bit Rate     64 / 128 / 256 / 512 / 1       Max. Bit Rate /     64 / 128 / 256 / 512 / 1       Client (MPEG-4)     or Frame rate priority       Supported Protocol     TCP/IP, UDP/IP, HT       DHCP, DNS, DDNS,     FTP Client       Alarm image transfe     No. of Simultaneous Users	G.726 (ADPCM) 32 kbps / 16 kbps		
Authentication for Audio       Level 1 only / Level 2         Total Bit Rate       64 / 128 / 256 / 512 / 1         Max. Bit Rate /       64 / 128 / 256 / 512 / 1         Client (MPEG-4)       or Frame rate priority         Supported Protocol       TCP/IP, UDP/IP, HT         DHCP, DNS, DDNS,       FTP Client         Alarm image transfe       No. of Simultaneous Users         Vot of Simultaneous Users       Up to 8 users	OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)		
Total Bit Rate     64 / 128 / 256 / 512 / 1       Max. Bit Rate /     64 / 128 / 256 / 512 /       Client (MPEG-4)     or Frame rate priority       Supported Protocol     TCP/IP, UDP/IP, HT       DHCP, DNS, DDNS,     FTP Client       Alarm image transfe     No. of Simultaneous Users			
Max. Bit Rate /     64 / 128 / 256 / 512 /       Client (MPEG-4)     or Frame rate priority       Supported Protocol     TCP/IP, UDP/IP, HT       DHCP, DNS, DDNS,     FTP Client       Alarm image transfe     No. of Simultaneous Users	64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited		
Client (MPEG-4)         or Frame rate priority           Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,         FTP Client           Alarm image transfe         No. of Simultaneous Users			
Supported Protocol         TCP/IP, UDP/IP, HT           DHCP, DNS, DDNS,           FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps		
DHCP, DNS, DDNS,           FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	or Frame rate priority (4,096 kbps / Unlimited)		
FTP Client         Alarm image transfe           No. of Simultaneous Users         Up to 8 users	TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP,		
No. of Simultaneous Users Up to 8 users	DHCP, DNS, DDNS, NTP, SNMP		
No. of Simultaneous Users Up to 8 users	Alarm image transfer, Periodic image transfer		
Mini SD Memory Card Manual REC / Alarm	n REC / Backup upon network failure.		
	Compatible SD card: Panasonic mini SD card: 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB model. SDHC standard card not supported.		
Alarm E-mail Yes, Port number as User Registration Up to 16 users	Yes, Port number assignable.		

TV System		NTSC	PAL	
Network	User/Host Level	3 Levels: Administrator, Camera control, Live only		
	Security Measures	User authentication (ID 32 digit, PW 32 digit), Host authentication (IP address)		
Alarm	Alarm Source	3x Terminal inputs, VMD, Command alarm		
	Alarm Actions	Preset position 1 ~ 256, PATROL 1 ~ 4, SD memory recording,		
		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		
	Schedule	Alarm / VMD / Access permission, Preset position call, Position refresh		
Input /	Monitor Output (for adjustment)	1.0 V [P-P] / 75 Ω, NTSC composite, BNC 1.0 V [P-P] / 75 Ω, PAL composite, BNC		
Output	put Microphone Input MIC IN (Applicable microphone; Plug-in power			
		Supply voltage: 2.5 V $\pm$ 0.5 V Input impedance: 3 K $\Omega \pm$ 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		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA), CE (EN60065, EN55022 ClassB,		
		C-UL (CAN/CSA C22.2 No.60065),	EN55024),	
		DOC (ICES003 ClassA)	GOST (GOST R 51558)	
	Power Source and	24 V AC 60 Hz, 85 W	WV-NW960: 220 ~ 240 V AC 50 Hz,	
	Power Consumption	(Heater ON)	90 W (Heater ON)	
			WV-NW964: 24 V AC 50 Hz,	
			85 W (Heater ON)	
	Ambient Operating	-40 °C ~ +50 °C (-40 °F ~ 122 °F) (Heater ON),		
	Temperature/Humidity	90 % or less (without condensation)		
	Water and Dust Resistance IP66, IEC60529 measuring standard compatible.		dard compatible.	
	Dimensions	ø239 mm x 395.5 mm (H) (ø9-7/16" x 15-9/16" (H))		
	Weight (approx.)	4.7 kg (10.34 lbs.)	4.9 kg (10.78 lbs.)	

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



#### Appearance



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   All product pictures are NTSC models.

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