

Super Dynamic HD Vandal Resistant Fixed Dome Network Camera WV-NW502S



H264, True Day/Night Vandal Resistant HD Camera featuring Super Dynamic

Key Features

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

- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- JPEG image compression ratio can be changed by alarm so that higher quality image can be provided.
- SD/SDHC Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Internet mode: H.264/MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC)
- * Installation required except for English
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions
- · Vandal resistant mechanism for high reliability
- 2.8 ~ 8.0 mm, 2.8x Varifocal Auto Iris lens
- · ONVIF compliant model

Standard Accessories

01411441471000001100				
CD-ROM*1	Base Cover			
The followings are for installation.	Butyl tape 1 pc.			
P Power Cable	*1 The CD-ROM contains Panasonic IP Setup Software, viewer software "Network Camera View 4", and Operation Instructions (PDF). *2 This label may be required for network management. The network administrator shall retain the code label.			

Optional Accessories

Embedded Ceiling Mount Bracket WV-Q169

Smoke Dome Cover WV-CW4S

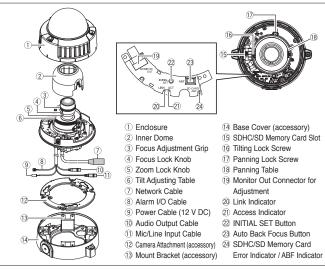
Specifications

TV System			NTSC	PAL	
Camera	Image See	cor	1/3 type interline transfer CCD	I AL	
Camera	Image Sensor		**		
	Effective P		1,296 (H) x 976 (V) x2		
	Scanning Mode		Progressive scan		
	Scanning Area		4.86 mm (H) x 3.65 mm (V)		
	Minimum	1.3 Megapixel	Color: 1.0 lx B/W: 0.08 lx at E1.2 (S	hutter: 1/30 s, AGC: High, SD: OFF),	
	Illumination			-	
			Color: 0.06 lx, B/W: 0.005 lx at F1.2 (S		
	*1	3 Megapixel	Color: 2.0 lx, B/W: 0.16 lx at F1.2 (Shutter: 1/30 s, AGC: High),	
		mode	Color: 0.12 lx, B/W: 0.01 lx at F1.2	(Shutter: 16/30 s, AGC: High)	
	White Bala	nce	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)		
	Light Conti	oi Mode	Outdoor: Automatic integration of ALC and ELC Indoor: Automatic integration of ALC		
			and ELC (up to 3/100 s) ELC: (up to 1/10,000 s) (ELC: only at Super Dynamic: OFF)		
	Shutter Sp	eed	Fix shutter: 3/100, 2/100, 1/100, 1/250, 1/500, 1/1,000, 1/2,000,		
	Super Dynamic		1/4,000, 1/10,000 (Only at Super Dynamic: OFF) ON / OFF (1.3 Megapixel mode only)		
	Face Super Dynamic		ON / OFF (Only at Super Dynamic: ON)		
			52 dB typical (Super Dynamic: ON, Light Control mode: Indoor)		
	Dynamic Range				
	Adaptive Black Stretch		ON / OFF (Only at Super Dynamic: OFF)		
	AGC		ON (LOW, MID, HIGH) / OFF		
	Electronic Sensitivity UP		OFF / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s))		
	Black and White Mode		Mode: AUTO1 / AUTO2 / AUTO3 / ON / OFF, Level: High / Low, with external control		
	Digital Noise Reduction		High / Low		
	Video Moti	on Detection	4 areas, Sensitivity: 15 steps, Detection size: 10 steps Up to 8 zones, Gray / Mosaic		
	Privacy Zo				
	Up Side Down		ON / OFF		
	Auto Image	Stabilizer	ON / OFF		
	Camera Ti		Up to 16 alphanumeric characters (3 selectable character sizes)		
		s Adjustment	ABF / MANUAL, ABF mode upon CL/BW switching: AUTO / PRESET / FIX		
_ens	Vari Focal Length		2.8 mm ~ 8 mm, 2.8x varifocal		
	Angular Field of View		H: 35.0 (Tele) ~ 100 (Wide), V: 26.2 (Tele) ~ 73.4 (Wide)		
		Aperture Ratio	1:1.2 (Wide) ~ 1:1.8 (Tele)		
		-	, , , , ,		
	Focusing Range		0.3 m ~		
Pan and Till	t		Panning Range: 170 Tilting Range: 75 Azimuth Range: 100		
Browser	Camera Co	ontrol	Brightness, AUX ON / OFF, Zoom (1x, 2x, 4x)		
GUI				· · · · · · · · · · · · · · · · · · ·	
301	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
			screens or 16 split screen (JPEG only). 20 characters camera title available.		
	Digital Zoom		1x, 2x, 4x controlled by browser GUI		
	Camera Title		Up to 20 alphanumeric characters		
			Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual)		
			Time: 12H / 24H, Date: 5 formats on	the browser, Summer time (Manual)	
	Alarm Control		Reset		
	One Shot Capture		A still picture will be displayed on a newly opened window.		
	Audio		Mic (Line) Input: ON / OFF, Audio Output: ON / OFF		
	SD Memory Data Download		Still or Motion Images recorded in the SD	SDHC memory card can be downloaded.	
	GUI/Setup Menu Language		English, French	English, French, Italian, Spanish, German,	
	System Log		(Installation required for French)	Russian (Installation required except for English)	
			Up to 100 (Internal), Up to 4,000 (SD/SDHC memory when the		
			recording format is set to JPEG.) error logs		
	Supported OS		Microsoft® Windows® 7 Professional 64 bit/32 bit.		
			Microsoft® Windows Vista® Business SP1 32 bit, Microsoft® Windows® XP Home Edition.		
			Professional SP3, The language of the OS must be same as selected GUI language		
			Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit),		
	Supported	Browser	Windows® Internet Explorer® 8.0 32 bi		
	Supported	Browser		t (Microsoft® Windows® 7 64 bit/32 bit),	
	Supported	Browser	Windows® Internet Explorer® 7.0 (Microso	t (Microsoft® Windows® 7 64 bit/32 bit), oft® Windows Vista® Business SP1 32 bit),	
	Supported	Browser	Windows® Internet Explorer® 7.0 (Microso	t (Microsoft® Windows® 7 64 bit/32 bit), oft® Windows Vista® Business SP1 32 bit),	
Network	Supported Network IF		Windows® Internet Explorer® 7.0 (Microso	t (Microsoft® Windows® 7 64 bit/32 bit), oft® Windows Vista® Business SP1 32 bit), oft® Windows® XP Home Edition/Professional SP3	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-TX, RJ-45 co	t (Microsoft® Windows® 7 64 bit/32 bit), oft® Windows Vista® Business SP1 32 bit), ® Windows® XP Home Edition/Professional SP3 nnector	
Network			Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio	t (Microsoft® Windows® 7 64 bit/32 bit), oft® Windows Vista® Business SP1 32 bit), ® Windows® XP Home Edition/Professional SP3 nnector (4:3]):	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), ® Windows® XF Home Edition/Professional SP3) nnector 4:31): \(\lambda (\text{320 x 240}), \text{ up to 30 fps}	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), ® Windows® XF Home Edition/Professional SP3) nnector 4:31): \(\lambda (\text{320 x 240}), \text{ up to 30 fps}	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsc Microsch® Internet Explorer® 6.0 SP3 (Microsch 10Base-T / 100Base-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/ MPEG-4: VGA (640 x 480) / QVGA	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), w Windows XP Home Edition/Professional SP3) nector 4:31): (640 x 480) / OVGA (320 x 240), up to 30 fps t (320 x 240), up to 30 fps	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsc Microsch® Internet Explorer® 6.0 SP3 (Microsch® 10Basse-T / 100Basse-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/MPEG-4: VGA (640 x 480) / QVGA JPEG: 1,280 x 960 / SVGA (800 x 600) / VG/	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), windows® XP Home Edition/Professional SP3) nector 4:31): 1 (640 x 480) / QVGA (320 x 240), up to 30 fps 1 (320 x 240), up to 30 fps 1 (640 x 480) / QVGA (320 x 240), up to 30 fps	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsch Microsch® Internet Explorer® 6.0 SP3 (Microsch 10Basse-T / 100Basse-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/MPEG-4: VGA (640 x 480) / QVGA JPEG: 1,280 x 960 / SVGA (800 x 600) / VG/MCA JPEG: 1,280 x 960 /	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), ® Windows® XP Home Edition/Professional SP3 nnector (4:31): ((404 x 480) / QVGA (320 x 240), up to 30 fps ((320 x 240), up to 30 fps ((400 x 480) / QVGA (320 x 240), up to 30 fps ((400 x 480) / QVGA (320 x 240), up to 30 fps	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsc Microsch® Internet Explorer® 6.0 SP3 (Microsch® 10Basse-T / 100Basse-TX, RJ-45 co 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/MPEG-4: VGA (640 x 480) / QVGA JPEG: 1,280 x 960 / SVGA (800 x 600) / VG/	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), ® Windows® XP Home Edition/Professional SP3 nnector (4:31): ((404 x 480) / QVGA (320 x 240), up to 30 fps ((320 x 240), up to 30 fps ((400 x 480) / QVGA (320 x 240), up to 30 fps ((400 x 480) / QVGA (320 x 240), up to 30 fps	
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Network	Network IF		Windows® Internet Explorer® 7.0 (Microsc Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 1.0 SP3 (Microsoft	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows® XP Home Edition/Professional SP3 nnector 4:31): \(4640 x 480) / OVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps (640 x 480) / OVGA (320 x 240), up to 30 fps (1640 x 480) / OVGA (320 x 240), up to 30 fps 20 x 180, up to 30 fps 20 x 180, up to 30 fps	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-T X, RJ-45 co 10Base-T / 100Base-T X, RJ-45 co 12.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/ MPEG-1,280 x 960 / SVGA (800 x 600) / VG/ 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 720 / 640 x 360 / 33 JPEG: 1,280 x 720 / 640 x 360 / 33 Megapixel mode (Aspect ratio 4: 1,280 x 720 / 640 x 360 / 34 Megapixel mode (Aspect ratio 4: 1,280 x 720 / 640 x 360 / 34 Megapixel mode (Aspect ratio 4: 1,280 x 720 / 640 x 360 / 34 Megapixel mode (Aspect	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows® XP Home Edition/Professional SP3 nector 4:31): (640 x 480) / QVGA (320 x 240), up to 30 fps (640 x 480) / QVGA (320 x 240), up to 30 fps (640 x 480) / QVGA (320 x 240), up to 30 fps 16:91): 20 x 180, up to 30 fps 20 x 180, up to 30 fps 3]):	
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Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-T X, RJ-45 co 10Base-T / 100Base-T X, RJ-45 co 12.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/ MPEG-1,280 x 960 / SVGA (800 x 600) / VG/ 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 720 / 640 x 360 / 33 JPEG: 1,280 x 720 / 640 x 360 / 33 Megapixel mode (Aspect ratio 4: 1,280 x 720 / 640 x 360 / 34 Megapixel mode (Aspect ratio 4: 1,280 x 720 / 640 x 360 / 34 Megapixel mode (Aspect ratio 4: 1,280 x 720 / 640 x 360 / 34 Megapixel mode (Aspect	t (Microsoft® Windows® 7 64 bit/32 bit), tht® Windows Vista® Business SP1 32 bit), w Windows XP Home Edition/Professional SP3 nector 4:31): (4640 x 480) / QVGA (320 x 240), up to 30 fps (640 x 480) / QVGA (320 x 240), up to 30 fps (640 x 480) / QVGA (320 x 240), up to 30 fps 16:91): 20 x 180, up to 30 fps 20 x 180, up to 30 fps 31):	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsch Microsch® Internet Explorer® 6.0 SP3 (Microsch 10Base-T / 100Base-T / RJ-45 co 1.3 Megapixel mode (Aspect ratio H.264: 1,280 x 960 / SVGA (800 x 600) / VG/MPEG-4: VGA (640 x 480) / QVGA / JPEG: 1,280 x 960 / SVGA (800 x 600) / VG/ A / JPEG: 1,280 x 960 / SVGA (800 x 600) / VG/ A / JPEG: 1,280 x 720 / 640 x 360 / 32 / JPEG: 1,280 x 720 / 640 x 360 / 32 / JPEG: 1,280 x 720 / 640 x 360 / 32 / JPEG: 1,280 x 720 / 640 x 360 / 32 / JPEG: 1,280 x 720 / 640 x 360 / 32 / JPEG: 1,280 x 960 / VGA (640 x 480) / QVGA / JPEG-4: VGA (640 x 480) / QVGA / JPEG-4: VGA (640 x 480) / QVGA	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), tf® Windows® XP Home Edition/Professional SP3 nnector (4:3]): ((420 × 480) / QVGA (320 × 240), up to 30 fps ((460 × 480) / QVGA (320 × 240), up to 30 fps ((640 × 480) / QVGA (320 × 240), up to 30 fps (20 × 180, up to 30 fps 20 × 180, up to 30 fps 31): (0) / QVGA (320 × 240), up to 15 fps (320 × 240), up to 15 fps	
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letwork	Network IF		Windows® Internet Explorer® 7.0 (Microsc Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 10Base-T / 100Base-T /	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows XP Home Edition/Professional SP3 nnector 4:31): \(\((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((400 \times 180) / \times \) (A90 (320 \times 240), up to 15 fps \((320 \times 240) / \times \) (A90 (320 \times 240), up to 15 fps \((320 \times 240) / \times \) (A90 (400 \times 480), up to 15 fps \((390 \times 240) / \times \) (A90 (400 \times 480), up to 15 fps \((390 \times 240) / \times \) (A90 (400 \times 480)) (A90 (155 fps)):	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsc Microsoft® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 10DBase-T / 10DB	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows XP Home Edition/Professional SP3 nnector 4:31): \(\((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((460 \times 480) / \times \) (A90 (320 \times 240), up to 30 fps \((400 \times 180) / \times \) (A90 (320 \times 240), up to 15 fps \((320 \times 240) / \times \) (A90 (320 \times 240), up to 15 fps \((320 \times 240) / \times \) (A90 (400 \times 480), up to 15 fps \((390 \times 240) / \times \) (A90 (400 \times 480), up to 15 fps \((390 \times 240) / \times \) (A90 (400 \times 480)) (A90 (155 fps)):	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-T /	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows XP Home Edition/Professional SP3 nector 4:31): \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((320 \times 240), up to 30 fps \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 15 fps \(/ VGA (640 \times 480), up to 15 fps \) \(/ VGA (640 \times 480), up to 15 fps \) \((320 \times 240, up to 15 fps \)	
Network	Network IF	olution *2	Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-T /	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows XP Home Edition/Professional SP3 nector 4:31): \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((320 \times 240), up to 30 fps \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 15 fps \(/ VGA (640 \times 480), up to 15 fps \) \(/ VGA (640 \times 480), up to 15 fps \) \((320 \times 240, up to 15 fps \)	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-T /	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows XP Home Edition/Professional SP3 nector 4:31): \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((320 \times 240), up to 30 fps \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 15 fps \(/ VGA (640 \times 480), up to 15 fps \) \(/ VGA (640 \times 480), up to 15 fps \) \((320 \times 240, up to 15 fps \)	
Network	Network IF	olution *2	Windows® Internet Explorer® 7.0 (Microsc Microsoft® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 10DBase-T / 10DB	t (Microsoft® Windows® 7 64 bit/32 bit), tf® Windows Vista® Business SP1 32 bit), tf® Windows NP Home Edition/Professional SP3 nnector 4:31): \(\(\(\) (40 \times 480 \) / QVGA (320 \times 240), up to 30 fps \(\) (320 \times 240), up to 30 fps \(\) (480 \times 480) / QVGA (320 \times 240), up to 30 fps \(\) (320 \times 240), up to 30 fps \(\) (320 \times 240), up to 30 fps \(\) (380, up to 30 fps \(\) (380, up to 30 fps \(\) (390 \times 180, up to 30 fps \(\) (310, up to 30 fps \(\) (320 \times 240), up to 15 fps \(\) (320 \times 240), up to 15 fps \(\) / QVGA (640 \times 480), up to 15 fps \(\) (320 \times 240, up to 15 fps \(\) 320 \times 240, up to 15 fps \(\) (320 \times 240, up to 15 fps \(\) (320 \times 240, up to 15 fps \(\) (320 \times 240, up to 15 fps \(\) (320 \times 240, up to 15 fps	
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Network	Network IF Image Res H.264 / Tr MPEG-4 File	olution *2 ansmission Priority ame Rate	Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Microsoft 10Base-T / 100Base-T X, RJ-45 co	t (Microsoft® Windows® 7 64 bit/32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows Vista® Business SP1 32 bit), tft® Windows® XP Home Edition/Professional SP3 mector 4:31): \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 30 fps \((460 \times 480) / OVGA (320 \times 240), up to 15 fps \((320 \times 240), up to 30 fps \) \((320 \times 240), up to 15 fps \((320 \times 240), up to 15 fps \) \((320 \times 240), up to 15 fps \	
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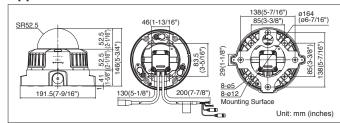
TV System		NTSC	PAL		
Network	Audio Compression	G.726 (ADPCM) 32 kbps / 16 kbps			
	Audio Mode	OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS			
	Authentication for Audio				
	Total Bit Rate				
	Supported Protocol				
		NTP, SNMP IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMP			
	FTP Client	Client Alarm image transfer, Periodic image transfer, Active/Passive selectable (When the F			
		periodic transmission is failed, backup on an optional SDHC/SD memory card is available.)			
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)			
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post)			
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure			
	Compatible SD (SDHC) card: Panasonic 256 MB, 5		asonic 256 MB, 512 MB,		
	1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB* model * SDHC care				
Alarm	Alarm Source	3 terminal inputs, VMD, Command alarm			
	Alarm Log	With SDHC/SD memory card: 5,000 logs, Without SDHC/SD memory card: 1,000 log SDHC/SD memory recording, E-mail notification, Alarm terminal output			
	Alarm Actions				
		Indication on browser, FTP image transfer, Panasonic protocol output Alarm / VMD / Access permission			
	Schedule				
Input/	Monitor Output (for adjustment)	1.0 V [P-P] / 75 , NTSC composite, RCA Jack	1.0 V [P-P] / 75 , PAL composite, RCA Jack		
Output	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm stereo mini jack (monaural input) (Applicable			
	(Cable)	microphone: Plug-in power type) Supply voltage: 2.5 V 0.5 V Input impedance: approx. 2 k			
	Audio Output (Cable)	ø3.5 mm stereo mini jack (monaura	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	ALARM IN 1 / DAY/NIGHT IN, ALARM IN 2 / ALARM OUT,			
	(Cable)	ALARM IN 3 / AUX OUT / EXPOSURE OUT			
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024)		
		C-UL (CAN/CSA C22.2 No.60065),			
		DOC (ICES003 ClassA)			
	Power Source and	Power Source and 12 V DC: 630 mA, PoE (IEEE 802.3af): 7.6 W (Class 0 device)			
	Power Consumption				
	Ambient Operating	-30 C ~ +50 C (−22 F ~ 122 F) *3,			
	Temperature/Humidity	emperature/Humidity 90 % or less (without condensation)			
	Water and Dust Resistance IP66, IEC60529 measuring standard compatible				
	Impact Protection	mpact Protection IEC 60068-2-75 test Eh, 50J			
	Dimensions	ø164 mm x 146 mm (H), 191.5 mm (W) (Base Cover)			
		(Ø6-7/16" x 5-3/4" (H), 7-9/16" (W) (Base Cover))			
		1.8 kg (4.0 lbs.) (with Mounting Bracket)			

*1 With standard Clear Dome Cover *2 H.264 and MPEG-4 are alternative.
*3 When turning on the power at –10 C (14 F) or lower, warming up (at least 1 hour) is required before operation and setting.

Part Names and Functions



Appearance



- Trademarks and registered trademarks

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 UniPhier is a registered trademark of Panasonic Corporation.

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

Transmission Type PULL / PUSH

- ONVIF and the UNVIF logo are received to the control of the c

- All TV pictures are simulated.
 Masses and dimensions are approximate.
- Specifications are subject to change without notice.
 These products may be subject to export control regulations.
- · All product pictures are NTSC models.

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