

HD Fixed Dome Network Camera WV-SF336



HD/1,280 x 960 H.264 Fixed Dome Network Camera with ABF (Auto Back Focus)

Kev Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Simple Day/Night function: 0.3 lx (Color), 0.2 lx (B/W) at F1.3 (Wide)
- ABF (Auto Back Focus) ensures easy installation.
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various
- 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 / Fixed electronic shutter Outdoor / Indoor: Electronic shutter and ALC lens iris control are automatically controlled depending on the mode and luminance level. Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- VMD (Video Motion Detector) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- 2x, 4x digital zoom controlled by browser
- Camera title display: Up to 20 alphanumeric characters on the browser, Up to 16 alphanumeric characters embedded in the image
- Alarm sources including 1 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.

- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- JPEG image compression ratio can be changed by alarm so that higher quality image can be provided.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/MPEG-4 max. bit rate/client and Total bit rate control allows flexible network traffic management. Frame rate priority mode controls bit rate and compression ratio to provide the specified frame rate.
- Alarm log, Manual REC log, FTP error log saved in the SDHC/SD memory card is displayed on the browser GUI and can be downloaded to the client PC. Playback or Image data download through the log is also available.
- Internet mode: H.264/MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC) * Installation required except for English
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation
- 2.8 mm ~ 10 mm, 3.6x Varifocal Auto Iris lens

Standard Accessories

CD-ROM*1	Installation Template Label 1 pc. Cable Tie			
The followings are for installation. Power Cord Plug	*1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs. *2 This label may be required for network management. The network administrator shall retain the code label.			

Optional Accessories

Embedded Ceiling Embedded Ceiling Mount Bracket (Sail white) Mount Bracket (AV-light gray) WV-Q168 WV-Q174 Launches in September/2010 Smoke Dome Cover Ceiling Mount Bracket WV-CF5S WV-Q105

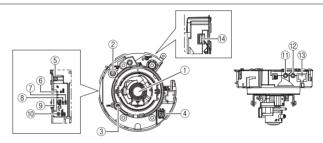
Specifications

TV System Camera	1		NTSC	PAL	
	Image Sen	sor	1/3 type MOS Sensor		
		fective Pixels Approx. 1.3 megapixel			
	Scanning I		Progressive scan		
	Scanning A		4.8 mm (H) x 3.6 mm (V)		
	Minimum I	llumination	Color: 0.3 lx, B/W: 0.2 lx at F1.3		
			Color: 0.019 lx, B/W: 0.013 lx at F1.3 (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 Cont	rol Mode	Outdoor: Automatic integration of ALC and ELC		
	g		_		
			Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 s) Indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 s)		
	Shutter Speed		Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000		
	Wide Dynamic Range		ON / OFF		
	Face Wide Dynamic Range		ON / OFF (Only at Wide Dynamic Range: ON)		
	Adaptive Black Stretch		ON / OFF (Only at Wide Dynamic Range: OFF)		
	AGC		ON (LOW, MID, HIGH) / OFF		
	Electronic Sensitivity UP				
	Simple Day/Night Mode Digital Noise Reduction		AUTO / OFF High / Low		
	Video Motion Detection				
	Privacy Zone		Up to 2 zones, Gray		
	Camera Title (OSD)		Up to 16 alphanumeric characters		
			ABF/MANUAL		
Lens	Vari Focal				
-0110			2.8 mm ~ 10 mm, 3.6x varifocal		
	Angular Field of View		H: 27.7° (Tele) ~ 100.3° (Wide), V: 20.8° (Tele) ~ 73.5° (Wide)		
		Aperture Ratio	1:1.3 (Wide) ~ 1:3.1 (Tele)		
	Focusing Range		0.3 m ~ ∞		
Adjustina	usting Angle		Horizontal: 180° (clockwise), 170	0° (counter clockwise)	
			Vertical: ±75°, Imaging tilt adjustment range: ±100°		
Browser	vser Camera Control				
			Brightness, AUX ON / OFF Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
GUI	Display Mode				
			screens or 16 split screen (JPEG only)		
	Digital Zoo	m	1x, 2x, 4x controlled by browser	GUI	
	Camera Tit	tle	Up to 20 alphanumeric characte	rs	
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Con	-	Reset	•	
	One Shot Capture		A still picture will be displayed on a newly opened window.		
	Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,		
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High		
	SD Memory Data Download		Still or motion Images recorded	in the SDHC/SD memory	
	-		card can be downloaded.		
	GUI/Setup Menu Language			English, French, Italian,	
			(Installation required for French)	Spanish, German, Russian	
			(installation required for French)	•	
				(Installation required except for English	
	System Log		Up to 100 (Internal), Up to 4,000	(SDHC/SD memory when the	
			recording format is set to JPEG.	error logs	
	Supported	OS	Microsoft® Windows® 7 Profess	ional 64 bit/32 bit,	
			Microsoft® Windows Vista® Business SP1 32 bit,		
			Microsoft® Windows® XP Professional SP3		
			The language of the OS must be same as selected GUI language		
	Supported Browser		Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit),		
			· ·	(Microsoft® Windows® 7 64 bit/32 bit),	
			Windows® Internet Explorer® 7.0 (Microso	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit)	
			· ·	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit	
Network	Network IF		Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mid	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit crosoft® Windows® XP Professional SP3	
Network		:	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mic 10Base-T / 100Base-TX, RJ-45	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit), crosoft® Windows® XP Professional SP3) connector	
Network	Image	Aspect ratio:	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mic 10Base-T / 100Base-TX, RJ-45 H.264: 1,280 × 960 / VGA (640 × 48	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit crosoft® Windows® XP Professional SP3 connector D) / QVGA (320 × 240), up to 30 fps	
Network	Image Resolution	Aspect ratio:	Windows® Internet Explorer® 7.0 (Microsoft Microsoft® Internet Explorer® 6.0 SP3 (Mic 10Base-T / 100Base-TX, RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVC	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vircosoft® Windows® XP Professional SP3 connector 0) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps	
Network	Image	Aspect ratio: [4:3]	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-T / 100Base-TX, RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVC JPEG: 1,280 × 960 / VGA (640 × 480)	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit prosoft® Windows® XP Professional SP3 connector D) / QVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps D) / QVGA (320 × 240), up to 30 fps	
Network	Image Resolution	Aspect ratio: [4 : 3] Aspect ratio:	Windows® Internet Explorer® 7.0 (Microsof Microsof Micros	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit, trosoft® Windows® XP Professional SP3) connector 0) / QVGA (320 × 240), up to 30 fps 3A (320 × 240), up to 30 fps 0) / QVGA (320 × 240), up to 30 fps // 320 × 180, up to 30 fps	
Network	Image Resolution *1 *2	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-T / 100Base-T / RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG (1280 × 960 / VGA (640 × 48) H.264: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 JPEG: 1,280 ×	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit hit connector 0) / QVGA (320 × 240), up to 30 fps A (320 × 240), up to 30 fps y / QVGA (320 × 240), up to 30 fps 7 320 × 180, up to 30 fps	
Network	Image Resolution	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Windows® Internet Explorer® 7.0 (Microsof Microsof Micros	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit hit connector 0) / QVGA (320 × 240), up to 30 fps A (320 × 240), up to 30 fps y / QVGA (320 × 240), up to 30 fps 7 320 × 180, up to 30 fps	
Network	Image Resolution *1 *2	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-T / 100Base-T / RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG (1280 × 960 / VGA (640 × 48) H.264: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 JPEG: 1,280 ×	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit), ft® Windows VXP Professional SP3) connector 0) / QVGA (320 × 240), up to 30 fps SA (320 × 240), up to 30 fps / QVGA (320 × 240), up to 30 fps / 320 × 180, up to 30 fps / 320 × 180, up to 30 fps	
Network	Image Resolution *1 *2	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 1.0 Base-TX, PJ-45 H.264: 1,280 × 960 / VGA (640 × 480) / QVC JPEG: 1,280 × 960 / VGA (640 × 480 H.264: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 JPEG: 1,2	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit, ft® Windows VXP Professional SP3; connector D) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps D) / OVGA (320 × 240), up to 30 fps / 320 × 180, up to 30 fps / 320 × 180, up to 30 fps / 320 × 180, up to 30 fps	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission	Windows® Internet Explorer® 7.0 (Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-TV 1100Base-TX, RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG JPEG: 1,280 × 960 / VGA (640 × 480 H.264: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 JPEG: 1,28	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit, ft® Windows Vista® Business SP1 32 bit, prosoft® Windows® XP Professional SP3 connector D) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps GD (320 × 240), up to 30 fps GD (320 × 180, up to	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate	Windows® Internet Explorer® 7.0 (Microsof Microsof Micros	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3) connector 0) / QVGA (320 × 240), up to 30 fps A (320 × 240), up to 30 fps y) / QVGA (320 × 240), up to 30 fps y 320 × 180, up to 30 fps y 320 × 180, up to 30 fps rity 1/3/5/7.5/10/12/15/ 20/30 fps	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 1.08 as Ph. 1945) H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG JPEG: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 / 640 × 360 Constant bitrate / Framerate prison of the following for	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vircosoft® Windows X P Professional SP3 connector 0) / QVGA (320 × 240), up to 30 fps 3A (320 × 240), up to 30 fps 0) / QVGA (320 × 240), up to 30 fps 320 × 180, up to 30 fps 320 × 180, up to 30 fps ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 /	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet In	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vircosoft® Windows X P Professional SP3 connector 0) / QVGA (320 × 240), up to 30 fps 3A (320 × 240), up to 30 fps 0) / QVGA (320 × 240), up to 30 fps 320 × 180, up to 30 fps 320 × 180, up to 30 fps ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 /	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 1.08 as Ph. 1945) H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG JPEG: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 / 640 × 360 Constant bitrate / Framerate prison of the following for	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vircosoft® Windows X P Professional SP3 connector 0) / QVGA (320 × 240), up to 30 fps 3A (320 × 240), up to 30 fps 0) / QVGA (320 × 240), up to 30 fps 320 × 180, up to 30 fps 320 × 180, up to 30 fps ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 /	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet In	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vrosoft® Windows® XP Professional SP3 connector D) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps GA (320 × 180, up to 30 fps GA (320	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval	Windows® Internet Explorer® 7.0 (Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-TV 110DBase-TV, RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG JPEG: 1,280 × 960 / VGA (640 × 481 H.264: 1,280 × 720 / 640 × 360 JPEG: 1,280 × 720 JPEG: 1,28	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vrosoft® Windows® XP Professional SP3 connector D) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps GA (320 × 180, up to 30 fps GA (320	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vrosoft® Windows® XP Professional SP3 connector D) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps GA (320 × 180, up to 30 fps GA (320	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 6.0 SP3 (Mi	Microsoft® Windows® 7 64 bit/32 bit), ft® Windows Vista® Business SP1 32 bit vrosoft® Windows® XP Professional SP3 connector D) / OVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps GA (320 × 180, up to 30 fps GA (320	
Network	Image Resolution '1'2' H.264/ MPEG-4 '1	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), #® Windows Vista® Business SP1 32 bit prosoft® Windows XP Professional SP3 connector 0) / QVGA (320 × 240), up to 30 fps GA (320 × 240), up to 30 fps O) / QVGA (320 × 240), up to 30 fps 320 × 180, up to 30 fps 320 × 180, up to 30 fps ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 11,024 / 1,536 / 2,048 / 3,072 / * H.264 mode only 3 s / 4 s / 5 s	
Network	Image Resolution *1 *2 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type	Windows® Internet Explorer® 7.0 (Microsof Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-T / 100Base-TX, RJ-45 H.264: 1,280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG JPEG: 1,280 × 960 / VGA (640 × 480) / L264: 1,280 × 720 / 640 × 360 / JPEG: 1,280 × 720 / 640 × JPEG: 1,280 × 720 / 640 × JPEG: 1,280 × JPE	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3, connector 0) / QVGA (320 × 240), up to 30 fps 320 × 240), up to 30 fps / 320 × 180, up to 30 fps	
Network	Image Resolution '1'2' H.264/ MPEG-4 '1	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Empression	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3, connector 0) / QVGA (320 × 240), up to 30 fps 320 × 240), up to 30 fps / 320 × 180, up to 30 fps	
Network	Image Resolution 11 '2 H.264/ MPEG-4 11 JPEG Audio Con Audio Moc	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Transmission Type Transmission Type Transmission Interval Transmission Type Transmission Interval Transmission Interval Transmission Type Transmission Interval Transmission Int	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), th® Windows Vista® Business SP1 32 bit), th® Windows XP Professional SP3, connector 0) / QVGA (320 × 240), up to 30 fps A (320 × 240), up to 30 fps // 320 × 180, up to 30 fps // 320	
Network	Image Resolution 11 2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Transmission Type Image Quality	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit prosoft® Windows® XP Professional SP3 connector 0) / QVGA (320 × 240), up to 30 fps 3A (320 × 240), up to 30 fps 3/ 320 × 180, up to 30 fps 320 × 180, up to 30 fps brity 1/3/5/7.5/10/12/15/ 20/30 fps 1,024/1,536/2,048/3,072/ * H.264 mode only 3 s / 4 s / 5 s	
Network	Image Resolution 11.2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica Total Bit R	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression de tion for Audio ate	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Inter	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3; connector 0) / QVGA (320 × 240), up to 30 fps 34 (320 × 240), up to 30 fps 7 320 × 180, up to 30 fps	
Network	Image Resolution 11 2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression de tion for Audio ate	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-T / 100Base-T / RJ-45 1.280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG / QVGA (640 × 480) / QVG / QVGA (640 × 480) / QVG / QVGA (640 × 480)	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3, connector 0) / QVGA (320 × 240), up to 30 fps 320 × 240), up to 30 fps / 320 × 180, up to 30	
Network	Image Resolution 11.2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica Total Bit R	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression de tion for Audio ate	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Inter	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit bit/32 windows VP Professional SP3 connector 0) / QVGA (320 × 240), up to 30 fps A3 (320 × 240), up to 30 fps / 320 × 180, up to 30 fps / 320 × 180	
Network	Image Resolution 11.2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica Total Bit R	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression de tion for Audio ate	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Mid 10Base-T / 100Base-T / RJ-45 1.280 × 960 / VGA (640 × 48 MPEG-4: VGA (640 × 480) / QVG / QVGA (640 × 480) / QVG / QVGA (640 × 480) / QVG / QVGA (640 × 480)	Microsoft® Windows® 7 64 bit/32 bit), #® Windows Vista® Business SP1 32 bit), #® Windows XP Professional SP3, connector 0) / QVGA (320 × 240), up to 30 fps A (320 × 240), up to 30 fps / 320 × 180, up to 3	
Network	Image Resolution 11 2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica Total Bit R Supported	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Transmission Type	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3; connector 0) / QVGA (320 × 240), up to 30 fps 320 × 240), up to 30 fps / 320 × 180, up to 30 fps / 520 / 30	
Network	Image Resolution 11.2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica Total Bit R	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Transmission Type	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® 6.0 SP3 (Microsof	Microsoft® Windows® 7 64 bit/32 bit), tt® Windows Vista® Business SP1 32 bit), tt® Windows XP Professional SP3; connector 0) / QVGA (320 × 240), up to 30 fps 320 × 240), up to 30 fps / 320 × 240), up to 30 fps / 320 × 180, up to 3	
Network	Image Resolution 11 2 H.264/ MPEG-4 11 JPEG Audio Com Audio Moc Authentica Total Bit R Supported	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/ Client Image Quality Transmission Type	Windows® Internet Explorer® 7.0 (Microso Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Internet	Microsoft® Windows® 7 64 bit/32 bit), th® Windows Vista® Business SP1 32 bit), th® Windows WP Professional SP3, connector 0) / QVGA (320 × 240), up to 30 fps 320 × 240), up to 30 fps / 320 × 180, up to 30	

TV System		NTSC	PAL	
Network	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post) JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatible SD (SDHC) card: Panasonic 256 MB,		
	(Option)			
		512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDH0		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output		
	Alarm Actions			
	Alarm Log	With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 log		
	Schedule	Alarm / VMD / Access permission		
Input/	Monitor Output	1.0 V [p-p] / 75 Ω,	1.0 V [p-p] / 75 Ω,	
Output	(for adjustment)	NTSC composite, RCA Jack	PAL composite, RCA Jack	
	Microphone/Line Input MIC IN and Line IN are selectable. ø3.5		ole. ø3.5 mm stereo mini jack	
		(monaural input) (Applicable mi	crophone; Plug-in power type)	
		Supply voltage: 2.5 V ± 0.5 V input impedance: approx. 2 k Ω ø3.5 mm stereo mini jack (monaural output) Line level ALARM IN, ALARM OUT, AUX OUT		
	Audio Output			
	External I/O Terminals			
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024)	
		C-UL (CAN/CSA C22.2 No.60065),		
		DOC (ICES003 ClassA)		
	Power Source and	12 V DC: 320 mA, PoE (IEEE 802.3af): 4.2 W (Class 2 device)		
	Power Consumption			
	Ambient Operating	-10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90 % or less (without condensation)		
	Dimensions	ø129.5 mm x 93 mm (H) (ø5-1/8	3" x 3-5/8" (H))	
	Mass (approx.)	410 g (0.9 lbs.)		

^{*1} H.264 and MPEG-4 are alternative. *2 [4 : 3] and [16 : 9] are alternative.

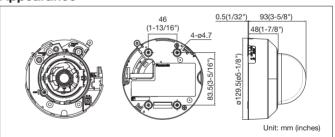
Part Names and Functions



- ① 3.6x Variable Focal Lens
- ② Monitor Out Connector for Adjustment
- ${\small \scriptsize \textcircled{3} \textbf{ Panning Table Lock Screw}}$
- (4) 12 V DC Power Cable Terminals
- ⑤ ABF Button
- 6 SDHC/SD Memory Card Error Indicator / ABF Indicator
- ① Link Indicator

- SDHC/SD Memory Card Slot
- 10 INITIAL SET Button
- 11 Audio Output Connector
- Microphone/Line Input Connector 13 Network Connector (RJ-45)
- 14 External I/O Terminals
- * Due to space limitation, the connector of the audio cable and network cable should be within 30 mm (1-3/16") from the connector of the camera.

Appearance



- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries. - UniPhier is a registered trademark of Panasonic Corporation.
 - "Super Dynamic", "SDII", "SDII", "SD5", "SD5Link", "i-PRO" and "i-PRO SmartHD" logos are
- trademarks or registered trademarks of Panasonic Corporation. Important
- Safety Precaution: carefully read the operating instructions and installation manual before using this product.
 Panasonic can not be responsible for network performance and/or other manufacturer products that
- reside on the network
 - All TV pictures are simulated.
 - 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.

DISTRIBUTED BY:

