Preliminary



HD/1,280 x 960 H.264 True Day/Night Network Camera with ABF (Auto Back Focus)

Key Features

- 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
- 720 / 30p (HD) H.264 stream in 16: 9 aspect ratio
- 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 Day/Night function: 0.3 lux (Color), 0.05 lux (B/W) at F1.4
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions.
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Superior color reproduction by primary (RGB) color filter
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / ELC / Fixed electronic shutter
 Outdoor / Indoor: Electronic shutter and ALC lens iris control are
 automatically controlled depending on the mode and luminance level.
 ELC: Up to 1/10,000 Electronic shutter is automatically applied for a fix iris lens.
 Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- VMD (Video Motion Detector) with 4 programmable detection areas,
 15 steps sensitivity level and 10 steps detection size
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- \bullet 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)
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation

Standard Accessories

Optional Accessory

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

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



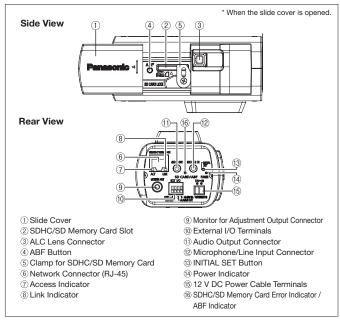
Specifications

	ficatio		NTSC	PAL	
TV System		eor		FAL	
Camera	Image Sen		1/3 inch MOS Sensor		
	Effective Pixels		Approx. 1.3 megapixel		
	Scanning Mode		Progressive scan		
	Scanning Area		4.8 mm (H) x 3.6 mm (V)		
	Minimum Illumination		Color: 0.3 lux, B/W: 0.05 lux at F1.4 (Shutter: 1/30 s, AGC: High),		
			Color: 0.019 lux, B/W: 0.003 lux at F1.4 (Shutter: 16/30 s, AGC: High)		
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)		
	Light Control Mode		Outdoor : Automatic integration of ALC and ELC		
	-		Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 sec.)		
			Indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 sec.)		
			ELC: (up to 1/10,000 sec.)		
	Shutter Speed		Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100,		
	Wide Dynamic Range		1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000		
			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				
	Black and White Mode		Mode: AUTO1 / AUTO2 / ON / OFF, L	evel: High / Low, with external contro	
	Digital Noise Reduction		High / Low		
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 steps		
	Privacy Zone		Up to 2 zones, Gray		
	Camera Title (OSD)				
	_ ` ′		Up to 16 alphanumeric characters		
	Back Focus Adjustment				
Browser	Camera Control		Brightness, AUX ON / OFF		
GUI	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
	1		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		
	Clock Display		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 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 SD	· · · · · · · · · · · · · · · · · · ·	
	GUI/Setup Menu Language				
			English, French	English, French, Italian,	
			(Installation required for French)	Spanish, German, Russian	
				(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 Supported Browser				
			Microsoft® Windows® 7 Professional 64 bit/32 bit,		
			Microsoft® Windows Vista® Business SP1 32 bit,		
			Microsoft® Windows® XP Professional SP3		
			The language of the OS must be same as selected GUI language		
			Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit)		
			Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit		
			Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Professional SP3		
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector		
*CLWOIR					
	Image	Aspect ratio:	H.264: 1,280 × 960 / VGA (640 × 48		
	Resolution	[4:3]	MPEG-4: VGA (640 × 480) / QV		
	*1 *2		JPEG: 1,280 × 960 / VGA (640 × 48	0) / QVGA (320 × 240), up to 30 fps	
		Aspect ratio:	H.264: 1,280 × 720 / 640 × 360	/ 320 × 180, up to 30 fps	
			IDEC: 1 000 700 / 640 000		
		[16:9]		/ 320 × 180, up to 30 fps	
	H.264/	[16 : 9] Transmission		/ 320 × 180, up to 30 fps	
	H.264/ MPEG-4	Transmission	Constant bitrate / Framerate pri		
	MPEG-4	Transmission Mode	Constant bitrate / Framerate pri	ority	
		Transmission	Constant bitrate / Framerate pri	1/3/5/7.5/10/12/15/	
	MPEG-4	Transmission Mode Frame Rate	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps	1/3/5/7.5/10/12/15/ 20/30 fps	
	MPEG-4	Transmission Mode	Constant bitrate / Framerate pri	1/3/5/7.5/10/12/15/ 20/30 fps	
	MPEG-4	Transmission Mode Frame Rate	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/ Client Image Quality	Constant bitrate / Framerate pri	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192*kbps/Unlimited LOW/NORMAL/FINE 0.1 fps ~ 30 fps	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192*kbps/Unlimited LOW/NORMAL/FINE 0.1 fps ~ 30 fps UNICAST/MULTICAST	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW/NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only	
	MPEG-4	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only	
	MPEG-4 *1 JPEG Audio Com	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW/NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH	1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only	
	MPEG-4 *1 JPEG Audio Com Audio Mod	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Transmission Type Transmission Type	Constant bitrate / Framerate pri 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 4,096 / 8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kt OFF / Mic (Line) input / Audio output / Inter	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only pps active (Half duplex) / Interactive (Full duple	
	JPEG Audio Com Audio Mod Authentica	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Transmission Transmissi	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192" kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH 6,726 (ADPCM) 32 kbps / 16 kl OFF / Mic (Line) input / Audio output / Inter Level 1 only / Level 2 higher / A	ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 / * H.264 mode only pps active (Half duplex) / Interactive (Full duple	
	JPEG Audio Com Audio Mod Authentica Total Bit R	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 4,096 / 8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kt G.726 (ADPCM) 32 kbps / 16 kt Level 1 only / Level 2 higher / A 64 / 128 / 256 / 384 / 512 / 768 / 1,024	ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 / * H.264 mode only pps active (Half duplex) / Interactive (Full duple II users / 2,048 / 4,096 / 8,192 kbps / Unlimite	
	JPEG Audio Com Audio Mod Authentica	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 4,096 / 8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kl OFF / Mic (Line) input / Audio output / 16 kl 0Ff / Mic (Line) input / 2 higher / A 64 / 128 / 256 / 384 / 512 / 768 / 1,024 IPv6: TCP/IP, UDP/IP, HTTP, RT	ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 / * H.264 mode only pps active (Half duplex) / Interactive (Full duple ll users / 2,048 / 4,096 / 8,192 kbps / Unlimite P, FTP, SMTP, DNS, NTP, SNMF	
	JPEG Audio Com Audio Mod Authentica Total Bit R	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 4,096 / 8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kt G.726 (ADPCM) 32 kbps / 16 kt Level 1 only / Level 2 higher / A 64 / 128 / 256 / 384 / 512 / 768 / 1,024	ority 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 / * H.264 mode only pps active (Half duplex) / Interactive (Full duple ll users / 2,048 / 4,096 / 8,192 kbps / Unlimite P, FTP, SMTP, DNS, NTP, SNMF	
	JPEG Audio Com Audio Mod Authentica Total Bit R	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 4,096 / 8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kl OFF / Mic (Line) input / Audio output / 16 kl 0Ff / Mic (Line) input / 2 higher / A 64 / 128 / 256 / 384 / 512 / 768 / 1,024 IPv6: TCP/IP, UDP/IP, HTTP, RT	ority 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only pps active (Half duplex) / Interactive (Full duple Il users /2,048/4,096/8,192 kbps / Unlimite P, FTP, SMTP, DNS, NTP, SNMF	
	JPEG Audio Com Audio Mod Authentica Total Bit R Supported	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH 6.726 (ADPCM) 32 kbps / 16 kl 0FF / Mic (Line) input / Audio output / Inter Level 1 only / Level 2 higher / A 64/128/256/384/512/768/1,024 IPv6: TCP/IP, UDP/IP, HTTP, RT IPv4: TCP/IP, UDP/IP, HTTP, RT SMTP, DHCP, DNS, DDNS, NT	1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only DDS active (Half duplex) / Interactive (Full duplex) /2,048/4,096/8,192 kbps/Unlimite P, FTP, SMTP, DNS, NTP, SNMF ITSP, RTP, RTP/RTCP, FTP, P, SNMP	
	JPEG Audio Com Audio Mod Authentica Total Bit R	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 ki G.726 (ADPCM) 32 kbps / 16 ki G.726 (ADPCM) 32 kbps / 16 ki Evel 1 only / Level 2 higher / A 64/128/256/384/512/768/1,024 IPv6: TCP/IP, UDP/IP, HTTP, FI SMTP, DHCP, DNS, DDNS, NT Alarm image transfer, Periodic i	1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps / 1,024 / 1,536 / 2,048 / 3,072 / * H.264 mode only / H.2	
	JPEG Audio Com Audio Mod Authentica Total Bit R Supported	Transmission Mode Frame Rate Bit Rate/ Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type pression lee tition for Audio ate	Constant bitrate / Framerate pri 1/3/5/7.5/10/15/20/ 30 fps 64/128/256/384/512/768 4,096/8,192* kbps / Unlimited LOW / NORMAL / FINE 0.1 fps ~ 30 fps UNICAST / MULTICAST 10 steps PULL / PUSH 6.726 (ADPCM) 32 kbps / 16 kl 0FF / Mic (Line) input / Audio output / Inter Level 1 only / Level 2 higher / A 64/128/256/384/512/768/1,024 IPv6: TCP/IP, UDP/IP, HTTP, RT IPv4: TCP/IP, UDP/IP, HTTP, RT SMTP, DHCP, DNS, DDNS, NT	l 1/3/5/7.5/10/12/15/ 20/30 fps /1,024/1,536/2,048/3,072/ * H.264 mode only Dps active (Half duplex) / Interactive (Full duple Il users /2,048/4,096/8,192 kbps / Unlimite P, FTP, SMTP, DNS, NTP, SNMF TSP, RTP, RTP/RTCP, FTP, P, SNMP mage transfer, Active/Passive dic transmission is failed,	

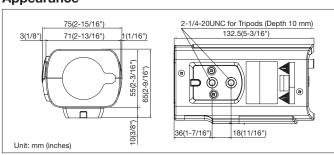
TV System		NTSC	PAL	
Network	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post)		
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon		
		network failure Compatible SD (SDHC) card: Panasonic 256 MB,		
		512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	1 terminal input, VMD, Command alarm		
	Alarm Actions	SDHC/SD memory recording, E-mail notification, Alarm terminal output,		
		Indication on browser, FTP image transfer, Panasonic protocol output		
	Alarm Log	With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs		
	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 selectab	ine IN are selectable. ø3.5 mm stereo mini jack	
		(monaural input) (Applicable microphone; Plug-in power type)		
		Supply voltage: 2.5 V ±0.5 V input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	ALARM IN / DAY/NIGHT IN, ALARM OUT, AUX OUT		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024)	
		C-UL (CAN/CSA C22.2 No.60065),		
		DOC (ICES003 ClassA)		
	Power Source and Consumption	12 V DC: 350 mA, PoE (IEEE 802.3af): 4.4 W		
	Ambient Operating	-10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90 % or less (without condensation)		
	Dimensions	75 mm (W) x 65 mm (H) x 132.5mm (L) (2-15/16" (W) x 2-9/16" (H) x 5-3/16" (L))		
	Weight (approx.)	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



Appearance



- Trademarks and registered trademarks

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