

Preliminary

NTSC WJ-HD716 (120 V AC)
WJ-HD616 (120 V AC)

PAL WJ-HD716 (220 ~ 240 V AC)
WJ-HD616 (220 ~ 240 V AC)



UniPhier SD5Link
Super Dynamic

H.264 High Picture Quality encoding with 16ch Real-time recording, HDMI Full HD display and SD5Link

Key Features

- H.264 (High profile) codec with "UniPhier®" Panasonic's proprietary System LSI platform provides high quality and high compression encoding simultaneously.
- 16 analog video inputs including 16 (WJ-HD716) / 8 (WJ-HD616) Panasonic coax. camera control inputs and 4 audio inputs
- Real-time recording:
 - WJ-HD716: 480/400 ips (Field), 240/200 ips (Frame) (NTSC/PAL)
 - WJ-HD616: 240/200 ips (Field), 120/100 ips (Frame) (NTSC/PAL)
- Live/Playback monitor out (HDMI, BNC) and Live monitor out (HDMI, BNC)
- 2x HDMI interfaces supporting dual 1080i (1,920 x 1,080) display
- Up to 960/800 ips at 16ch 2x monitors real-time live (NTSC/PAL)
- Various Display Modes: 4 / 7 / 9 / 12 / 16 split screen display
- **SD5Link** (Super Dynamic 5 Link) capability with i-VMD (intelligent-Video Motion Detection) alarm provides disk saving and easy search.
- Up to 5 recorders can be integrated in cascade connection mode for up to 80 cameras.
- Equipped with 4 HDD slots accessible from front panel
- DVD drive (optional) and SD memory card slot for easy copy of recorded image data
- HDD capacity is expandable up to 31 HDDs (4 HDD slots in the main unit and 3 optional WJ-HDE400 Hard Disk Extension Units each with 9 HDD slots).
- RAID5/6 redundant recording with optional WJ-HDB601 RAID5/6 Board
- Up to 4 optional WV-CU650 system controllers can be connected by PS•Data.
- Easy operation with GUI and USB mouse
- Remote monitoring available from Internet Explorer® and WV-ASM100
- H.264 image transfer at QVGA resolution for narrow network bandwidth
- Setup data of WJ-HD716/WJ-HD616 can be downloaded and uploaded with SD memory card.
- User/Host authentication (Up to 32 user registrations)
- Up to 8 users can operate via network simultaneously.
- Excellent maintenance capability: Front HDD exchangeability, Front maintenance network port

Optional Accessories

RAID Board WJ-HDB601	Built-in DVD Drive WJ-HDB611
Hard Disk Extension Unit WJ-HDE400 	i-Pro Management Software WV-ASM100 

Specifications

TV System		NTSC	PAL
Audio / Video IF	Video Inputs	WJ-HD716: 16x 1.0 V [p-p] / 75 Ω composite video inputs (BNC) 16x multiplexed control data (1 ~ 16 CH) Cascade IN: 2x HDMI, 1x BNC WJ-HD616: 16x 1.0 V [p-p] / 75 Ω composite video inputs (BNC) 8x multiplexed control data (1 ~ 8 CH) Cascade IN: 2x HDMI, 1x BNC	
	Video Outputs	16x 1.0 V [p-p] / 75 Ω composite video signal (BNC), active loop through outputs Monitor outputs: 2x HDMI, 2x 1.0 V [p-p] / 75 Ω composite video signal (BNC), Video output (front RCA): 1x 1.0 V [p-p] / 75 Ω composite video signal	
	Audio Inputs	4x -10 dBV, 10 KΩ (RCA) (1 ~ 4 CH)	
	Audio Outputs	Rear: 1x -10 dBV, 600 Ω Front: 1x -10 dBV, 600 Ω	
Audio / Video Format	Recording	H.264 (High profile) Frame (720 x 480 pixels) Field (720 x 240 pixels)	H.264 (High profile) Frame (720 x 576 pixels) Field (720 x 288 pixels)
	Network	H.264 (High profile) QVGA (320 x 240 pixels): Recording independent Field/Frame: Recording dependent	
Recording	Frame Rate Total	HD716: 480 ips at Field, 240 ips at Frame HD:616: 240 ips at Field, 120 ips at Frame	HD716: 400 ips at Field, 200 ips at Frame HD:616: 200 ips at Field, 100 ips at Frame
Main Unit Functions	Camera Control	Pan/Tilt, Zoom, Focus, Iris, Preset position call (up to 256), Auto mode	
	Multiscreen Mode	4 / 7 / 9 / 12 / 16 split screen display	
Browser GUI	Copy to External Media	DVD±R, SD (SDHC)	
	Supported Browser	Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows® XP Home/Professional SP2)	
Network	Network Interface	10Base-T / 100Base-TX (RJ-45) x1	
	Maintenance Interface	10Base-T / 100Base-TX (RJ-45) x1	
	No. of Client at a Time	8	
	User Registration	Up to 32 users	
Alarm / Event	Alarm Source	16x Terminal inputs, 16x Camera alarm, PS-Data	
External IF	Alarm	16x Alarm inputs (25 pin D-sub, Make contact, N.O./N.C.) 16x Alarm outputs (25 pin D-sub, Open collector, N.O./N.C.) 1x Alarm reset input, 1x Alarm suspend input	
	EXT Storage	3x High speed serial interface. Only for WJ-HDE400 Extension Unit.	
	Recording	Emergency recording input, External recording mode input	
	Time Adjustment	Time adjustment input/output	
	Controls	Sequence switching signal input. Power outage detection output, Shut down ready output	
	PS-Data (RS-485) Controller	2x RS-485 (RJ-11) PS-Data compatible for control from WV-CU650 or Matrix Switcher WJ-SX650	
	RS-485 Camera Interface	2x RS-485 (RJ-11), 2/4wire, half duplex, for 1 ~ 16 CH	
	Mouse	USB Mouse port (Front) x1	
	SD Slot	SD/SDHC Memory Card Slot (Front) x1	
HDD	Internal HDD	Up to 4x HDDs	
	Maximum HDD	31 HDDs (with 3x WJ-HDE400 extension units, 9x HDDs installed in each unit)	
General Specifications	RAID	RAID5/RAID6 supported (with WJ-HDB601)	
	Power Source	120 V AC, 60 Hz 220 ~ 240 V AC, 50 Hz	
	Ambient Operating Temperature	+5 °C ~ +45 °C (41 °F ~ 113 °F)	
	Ambient Operating Humidity	Less than 85 % (without condensation)	
	Dimensions	430 mm (W) x 132 mm (H) x 400 mm (D) (16-15/16" (W) x 5-3/16" (H) x 15-3/4" (D)) (excluding rubber feet and projections)	

Trademarks and registered trademarks

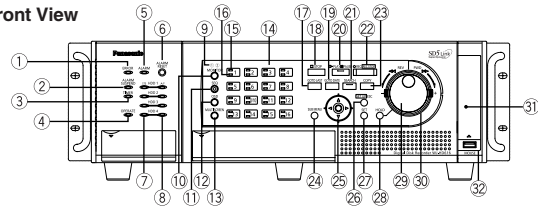
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Important

- 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.

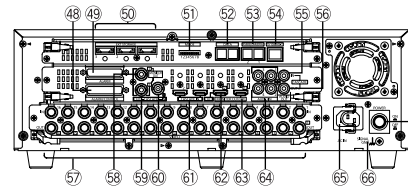
Part Names and Functions

Front View



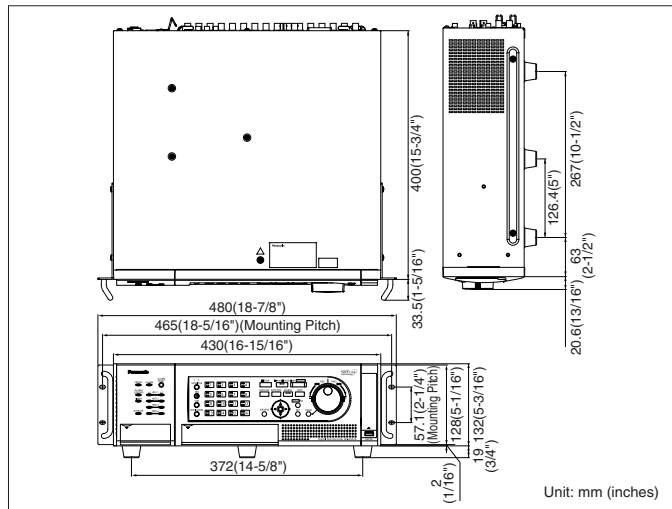
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|------------------------------|------------------------------|---------------------------|
| ① Error Indicator | ①7 GOTO LAST Button | ③3 RAID Mode Switch |
| ② Alarm Suspension Indicator | ①8 Stop Button | ③4 USE Button |
| ③ Timer Indicator | ①9 GOTO DATE Button | ③5 Down Button |
| ④ Operate Indicator | ②0 Play/Pause Button | ③6 Up Button |
| ⑤ Alarm Indicator | ②1 Search Button | ③7 Left Button |
| ⑥ Alarm Reset Button | ②2 Record/Record Stop Button | ③8 Right Button |
| ⑦ HDD Status Indicators | ②3 Copy Button | ③9 Escape Button |
| ⑧ HDD Access Indicators | ②4 Sub-menu Button | ④0 Set Button |
| ⑨ Monitor Indicators | ②5 Arrow Button | ④1 HDD Bay Slots |
| ⑩ Monitor Switching Button | ②6 Setup/Escape Button | ④2 Maintenance Port |
| ⑪ Sequence Button | ②7 Set Button | ④3 Audio Output Connector |
| ⑫ OSD Button | ②8 Hold Button | ④4 Video Output Connector |
| ⑬ Multi-screen Button | ②9 Jog Dial | ④5 SD Card Slot |
| ⑭ Camera Selection Buttons | ③0 Shuttle Ring | ④6 DVD Drive |
| ⑮ Live/Playback Indicator | ③1 Maintenance Cover | ④7 HDD Unit |
| ⑯ Record Indicator | ③2 Mouse Connector | |

Rear View



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|--------------------------------|---|--|
| ④8 Alarm/Control Connector | ⑤6 Audio Output Connector (Cascade Output) | ⑥1 Cascade In Connectors (HD) |
| ④9 Alarm Connector | ⑤7 Video Input Connectors / Video Output Connectors | ⑥2 Monitor Output Connector 2 (HDMI)(Cascade Output) |
| ⑤0 External Storage Connectors | ⑤8 Monitor Output Connector 1 (BNC) | ⑥3 Monitor Output Connector 1 (HDMI) |
| ⑤1 Mode Switches | ⑤9 Monitor Output Connector 2 (BNC) | ⑥4 Audio Input Connectors |
| ⑤2 PS-Data Ports | ⑥0 Cascade In Connector (BNC) | ⑥5 Power Cord Inlet |
| ⑤3 RS-485 Ports | | ⑥6 Signal Ground Terminal |
| ⑤4 Network Port | | ⑥7 Power Switch |
| ⑤5 Audio Cascade In Connector | | |

Appearance



- 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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