

## 16ch Real-time H.264 Digital Disk Recorder **WJ-HD716**

## 16ch H.264 Digital Disk Recorder **WJ-HD616**

**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)



WJ-HD716

UniPhier **SD5 Link**  
SuperDynamic



## 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

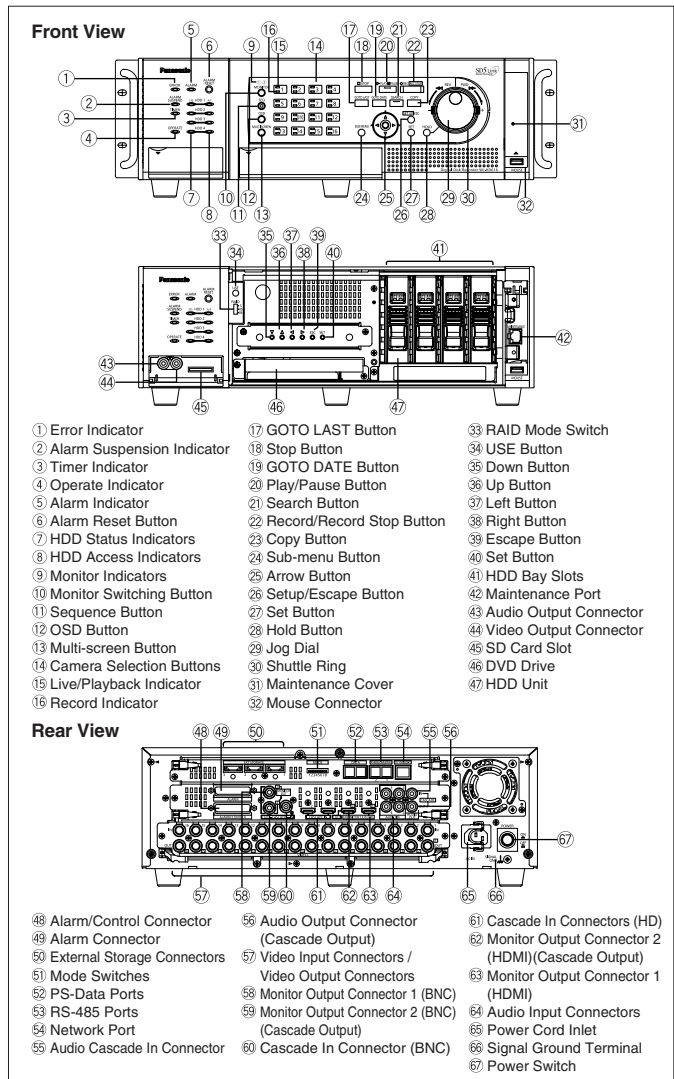
### Optional Accessories

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

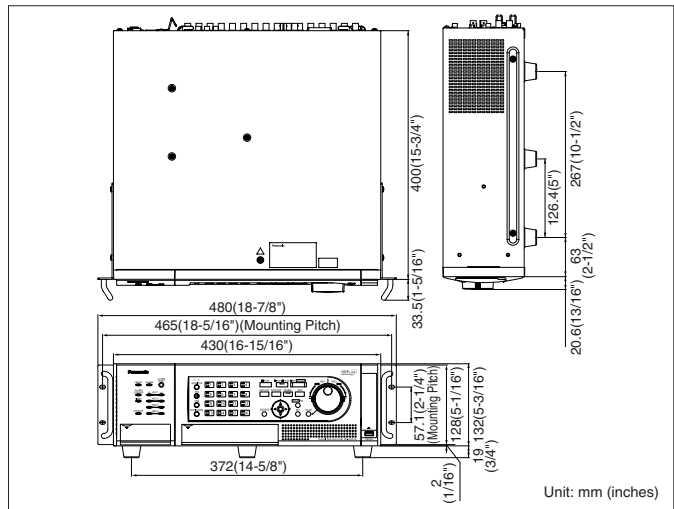
## Specifications

TV System	NTSC	PAL	
<b>Audio / Video IF</b>	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		
<b>Audio / Video Format</b>	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		
<b>Recording</b>	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	
<b>Main Unit Functions</b>	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	
<b>Browser GUI</b>	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)	
<b>Network</b>	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	
<b>Alarm / Event External IF</b>	Alarm Source	16x Terminal inputs, 16x Camera alarm, PS-Data	
	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	
<b>External IF</b>	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	
	<b>HDD</b>	Internal HDD	Up to 4x HDDs
		Maximum HDD	31 HDDs (with 3x WJ-HDE400 extension units, 9x HDDs installed in each unit)
<b>General Specifications</b>	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)		

## 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", "SDIII", "SDS", "SDSLink" and "i-Pro" 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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