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 only): 480/400 ips (Field), 240/200 ips (Frame) (NTSC/PAL)**
  * WJ-HD616 features Field 240/200 ips and Frame 120/100 ips (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 / 8 / 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/SDHC 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 RAID 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/SDHC 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**

**Standard Accessories**

- **CD-ROM** ........................................ 1 pc.
- **Installation Guide** .......................... 1 pc.
- **Quick Reference Guide** ................. 1 pc.

* The CD-ROM contains the operating instructions (PDFs) and other manuals.

**Optional Accessories**

<table>
<thead>
<tr>
<th>HDD Canister</th>
<th>RAID Board</th>
<th>Built-in DVD Drive</th>
<th>Hard Disk Extension Unit</th>
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</thead>
<tbody>
<tr>
<td>WJ-HDU40K</td>
<td>WJ-HDB601</td>
<td>WJ-HDB611</td>
<td>WJ-HDE400</td>
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</table>

**Power Source** : 120 V AC, 60 Hz (NTSC) 220 ~ 240 V AC, 50 Hz (PAL)
**Power Consumption** : approx. 130 W
**Dimensions** : 430 mm (W) x 132 mm (H) x 400 mm (D) (16-1/16” (W) x 5-3/16” (H) x 15-15/16” (D)) (excluding rubber feet and projections)
**Weight** : 13.5 kg (29.8 lbs.) (When no HDD exist) 20 kg (44.1 lbs.) (When 9 HDDs are installed)
Specifications

<table>
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<tr>
<th>TV System</th>
<th>NTSC</th>
<th>PAL</th>
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Audio / Video Interface
- **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

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 Rate: WJ-HD716: 480 ips at Field, 240 ips at Frame
- WJ-HD616: 240 ips at Field, 120 ips at Frame
- Video Outputs: WJ-HD716: 2x HDMI, 1x BNC
- WJ-HD616: 2x HDMI, 1x BNC

Network
- 1x Network Port
- 1x RS-485 Camera Interface
- 1x PS-Data Ports (RS-485)

Main View
- Camera Control: Pan/Tilt, Zoom, Focus, Title, Preset position call (up to 256), Auto mode
- Multiscreen Mode: 4 / 7 / 8 / 9 / 12 / 16 split screen display
- Time Adjustment: Time adjustment input/output
- Controls: Sequence switching signal input, Power outage detection output, Shut down ready output

Power Source
- 120 V AC, 60 Hz
- 220 – 240 V AC, 50 Hz

Power Consumption
- 130 W

Ambient Operating Temperature
- +5 °C – +40 °C (41 °F – 104 °F)

Humidity
- Less than 85 % (without condensation)

Dimensions
- 430 mm (W) x 152 mm (H) x 400 mm (D)
- (16-1/2”) x 5-15/16” x 15-3/4” (excluding rubber feet and projections)

Weight (approx.)
- 14 kg (30.8 lbs.) without HDD (Factory default)
- 17 kg (37.4 lbs.) with 4 HDDs

Part Names and Functions

Trademark and registered trademarks
- **HDMI**: the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.
- **Microsoft**, and **Windows** are registered trademarks of Microsoft Corporation in the U.S. and other countries.
- **HDMI**, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.
- **DOC (ICES-003 Class B)**
- **UL (US/Canada)**
- **CSA (Canada)**
- **EN55022 Class B**, **EN55024**, **EN60065, EN60601-1 (Medical)**
- **RAID 5 (RAIDRAID)**

You can find more details about Panasonic products and specifications on the Panasonic website: [http://panasonic.net/security/](http://panasonic.net/security/)