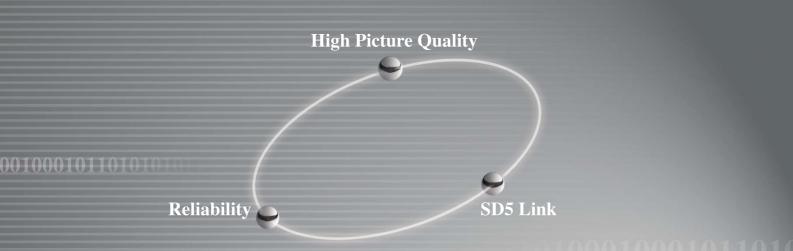


16ch Real-time H.264 Digital Disk Recorder WJ-HD716 16ch H.264 Digital Disk Recorder WJ-HD616

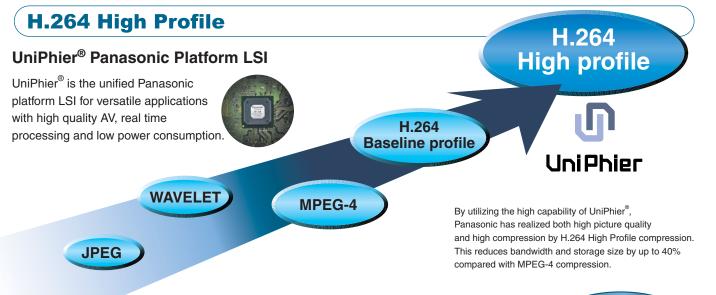
Preliminary





Digital Disk Recorder WJ—HD716/616

Excellent Picture Quality



Full HD 1080 with multidisplay capability



Dual Full HD 1080i (1,920 x 1,080) display output for both Live and Live/Playback is possible. Real-time images of up to 960 ips (NTSC) / 800 ips (PAL) at 16ch on 2 monitors can be displayed.



Multi Screen Display Layout (16:9) Multi Screen Display Layout (4 : 3)

Dual Full HD output

Real-time Recording

Field : 480/400 ips = 16ch Real-time recording (NTSC/PAL) **WJ-HD7**16 Frame : 240/200 ips = 8ch Real-time recording (NTSC/PAL)

* WJ-HD616 features Field 240/200 ips and Frame 120/100 ips (NTSC/PAL)

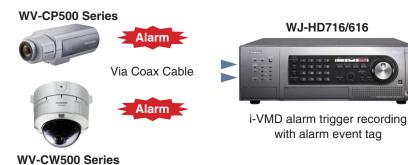
Up to 15 ips/ch (Field), 7.5 ips/ch (Frame) : NTSC

Up to 12.5 ips/ch (Field), 6.25 ips/ch (Frame) : PAL



* Dual composite output (BNC) also available

Disk Saving and Easy Search with i-VMD (intelligent-Video Motion Detection) alarm of "SD5" camera



i-VMD (intelligent-Video Motion Detection)

This amazing new intelligence contributes to Superior Image of Super Dynamic 5. Plus, it offers efficient and reliable surveillance, preventing loss of vital scenes, and providing easy search and disk saving for recorder system.

Video Motion Detection

High resolution detection area and advanced motion analyze algorithm enables accurate motion detection. Stay detection and direction detection are also possible.

Conventional Back ground movements such as tree, rain. shadow, waves are wrongly detected.



Object Detection

Left Behind

Abandoned object can be detected and indicated with the red frame to alert a malicious attempt.



Removal

Removed object in the specified area can be detected and indicated with the red frame to alert a theft





Easy GUI

- Basic concept of WJ-HD316A maintained
- User interface becomes easier than WJ-HD316A
- "From Left to Right" easy-to-understand i-Pro like design

Mouse Operation becomes available for Operation and Setup

• Mouse port is featured in front panel









Benefit 1 Disk Saving

Efficient recording contribute to TCO (Total Cost of Ownership) reduction

Benefit 2 Easy Search

By multiple alarm events Object Removal/Left Behind Intruder Detection Duration, Direction • Scene Change

i-VMD



i-VMD learns back ground movements and only subjective movement can be detected.





320 x 240 detection



n is leaving a bag behind.



A person is approaching to the PCs.



The abandoned bag is detected and indicated by red frame



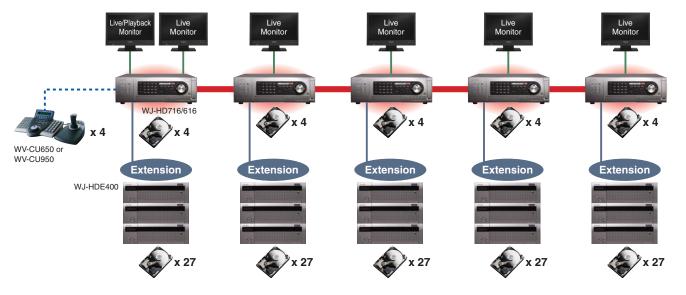
The stolen PC is detected and indicated by red frame.

System Scalability and Flexibility

Flexible system design is possible in accordance with various applications. Also, it can smoothly be migrated from 16ch Digital Disk Recorder, WJ-HD316A.

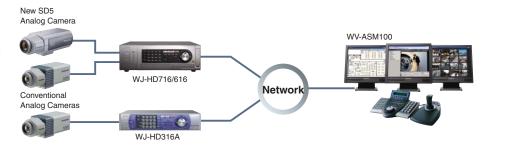
High Scalability with Cascade and HDD Extension

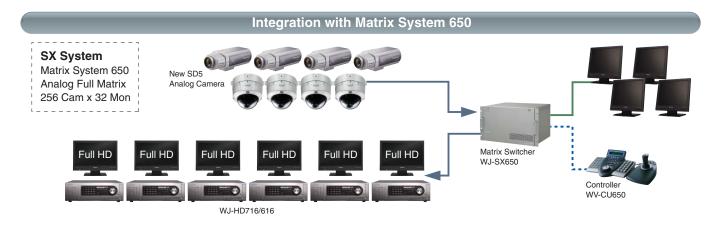
- Internal 4 HDDs (accessible from front side)
- High scalability with 5 main units -> up to 80 camera inputs
- High scalability with main unit x 4 HDDs + 3 extension units x 9 HDDs -> up to 155 HDDs total
- Up to 4 Controllers (WV-CU650, WV-CU950) can be connected (PS•Data)



Migration with WJ-HD316A

• WJ-HD316A can be easily replaced bv WJ-HD716/616 • WJ-HD316A and WJ-HD716/616 can be used in the same multi-site system





Outstanding Reliability

• Embedded Real-time Operating System

HDD Redundancy with RAID 5/6

Network Capability

Basic performances have greatly improved and QVGA Live Output is possible even under narrow bandwidth while being independent from the setting of recording. It can also be integrated with i-Pro equipments or 3rd party system with PS-API*.



to develop the application to control Panasonic video monitoring security products (Network cameras, Network Disk Recorders, Digital Disk Recorders, Network Interface Units) by the unified method and to get video image.

Easy Installation and Maintenance

• Front accessible 4 HDD slots for easier maintenance without removing unit from the mount rack Front maintenance Ethernet port for easier maintenance without entering customer network



End to End Solution

To provide the highest picture quality for the best identification through total Panasonic system approach





Specifications

TV System		NTSC	PAL			
Audio /	Video Inputs	WJ-HD716:				
Video IF		16x 1.0 V [p-p] / 75 Ω composite video inputs (BNC)				
		16x multiplexed control data (1 ~ 16 CH)				
		WJ-HD616:				
		16x 1.0 V [p-p] / 75 Ω composite video inputs (BNC)				
		8x multiplexed control data (1 ~ 8 CH)				
	Video Outputs	16x 1.0 V [p-p] / 75 Ω composite video signal (BNC),				
		active loop through outputs				
		Monitor outputs:				
		2x HD, 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 /	Recording	H.264 (High profile)	H.264 (High profile)			
Video		Frame (720 x 480 pixels)	Frame (720 x 576 pixels)			
Format		Field (720 x 240 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	WJ-HD716:	WJ-HD716:			
			400 ips at Field, 200 ips at Frame			
		WJ-HD616:	WJ-HD616:			
			200 ips at Field, 100 ips at Frame			
Main Unit	Camera Control	Pan/Tilt, Zoom, Focus, Iris, Preset position call (up to 256), Auto n				
Functions	Multiscreen Mode	4 / 7 / 9 / 12 / 16 split screen display				
	Copy to External Media	DVD±R, SD (SDHC) Windows [®] Internet Explorer [®] 7.0				
Browser	D					
GUI		(Microsoft [®] Windows Vista [®] Business 32 bit),				
		Microsoft [®] Internet Explorer [®] 6.0 SP2				
		(Microsoft [®] Windows [®] XP Home/Professional SP2)				

TV System		NTSC	PAL			
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 /	Alarm Source	16x Terminal inputs, 16x Camera alarm, PS-Data				
Event						
External	Alarm	16x Alarm inputs (25 pin D-sub, Make contact, N.O./N.C.)				
IF		16x Alarm outputs (25 pin D-sub, Open collector, N.O./N.C)				
		1x Alarm reset input, 1x Alarm s	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	t.				
		Power outage detection output, Shut down ready output				
	PS-Data (RS-485)	2x RS-485 (RJ-11) PS-Data compatible for control				
	Controller	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)				
	RAID	RAID5/RAID6 supported (with WJ-HDB601)				
General	Power Source	120 V AC, 60 Hz	220 ~ 240 V AC, 50 Hz			
Specifications	Ambient Operating	+5 °C ~ +45 °C (41 °F ~ 113 °F)				
	Temperature					
	Ambient Operating	Less than 85 %				
	Humidity	(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)				

Optional Accessories

Hard Disk Extension Unit WJ-HDE400	Super Dynamic 5 Day/Night Camera WV-CP500 Series	Super Dynamic 5 Vandal Resistant Fixed Dome Camera WV-CW500 Series	- 11	RS-485 Syster with 3D-Joystic WV-CU6	ck & Jog/Shuttle
i-Pro Management Software	Matrix Switcher	HDD Canister	RAID Board	601	Built-in DVD Drive
WV-ASM100	WJ-SX650	WJ-HDU40K	WJ-HDB		WJ-HDB611

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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.

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- 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.



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