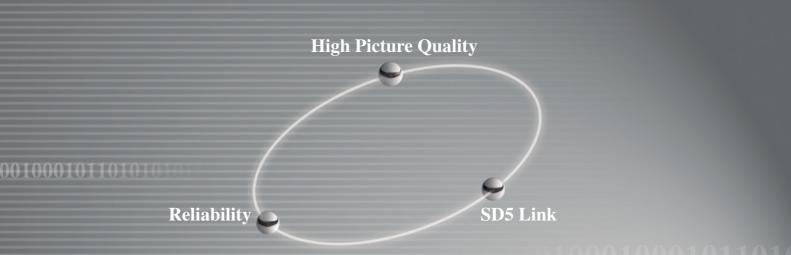
Panasonic ideas for life

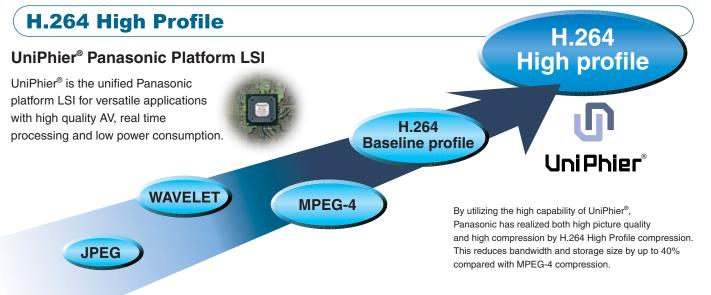
16ch Real-time H.264 Digital Disk Recorder WJ-HD716 16ch H.264 Digital Disk Recorder WJ-HD616





Digital Disk Recorder WJ—HD716/616

Excellent Picture Quality

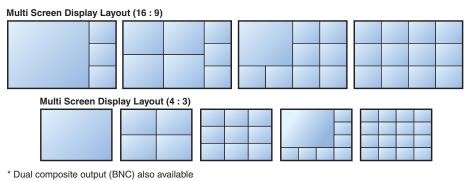


Full HD 1080i with multidisplay capability



Dual HDMI 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.





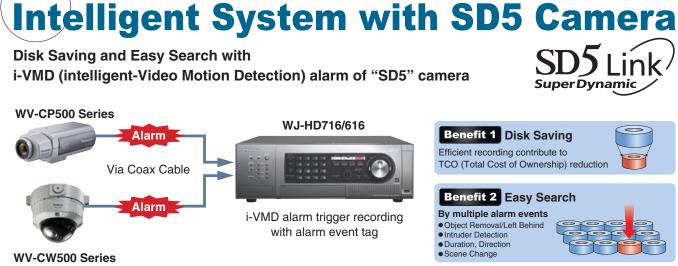
Real-time Recording

Field : 480/400 ips = 16ch Real-time recording (NTSC/PAL) **WJ-HD716** 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



Disk Saving and Easy Search with



i-VMD (intelligent-Video Motion Detection)

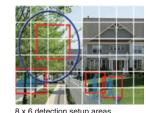
This amazing new intelligence contributes to Superior Image of Super Dynamic 5. Plus, it offers efficient and reliable surveillance, preventing loss of vital scenes, and providing easy search and disk saving for recorder system.

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 Operation

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



i-VMD

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



10110-01	
-1-1	
- L - L	

320 x 240 detection resolutio



n is leaving a bag behind.



A person is approaching to the PCs.



The abandoned bag is detected and indicated by red frame



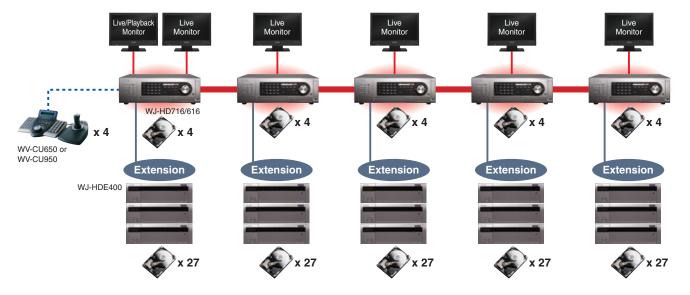
The stolen PC is detected and indicated by red frame.

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

- Up to 4 HDDs can be installed (in the main unit)
- 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)



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





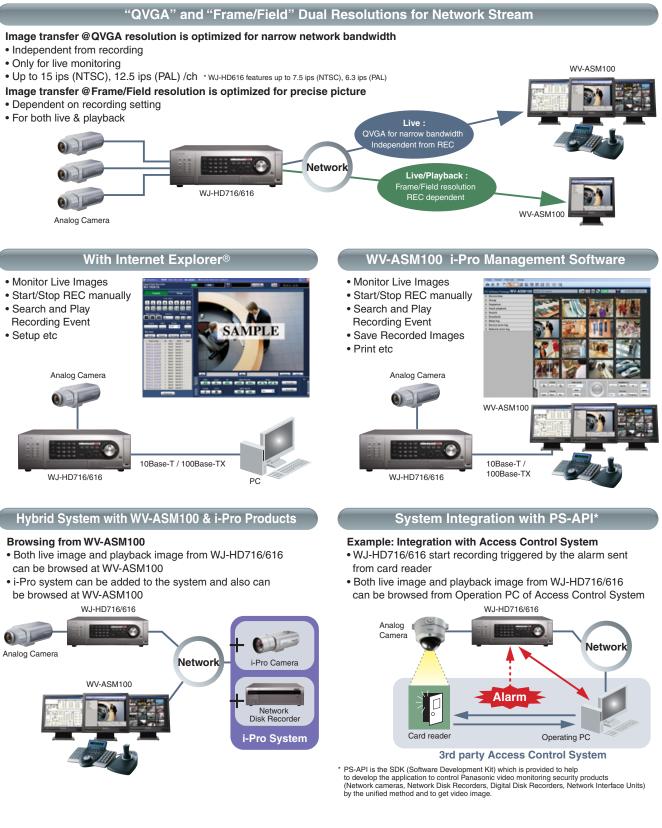
Outstanding Reliability

• 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 recording. It can also be integrated with i-Pro equipments or 3rd party system with PS-API*.



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)				
		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 /	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:			
		240 ips at Field, 120 ips at Frame	200 ips at Field, 100 ips at Frame			
	Camera Control	Pan/Tilt, Zoom, Focus, Iris, Preset position call (up to 256), Auto mode				
Functions	Multiscreen Mode	4 / 7 / 8 / 9 / 12 / 16 split screen display				
	Copy to External Media	DVD±R, SD/SDHC				
Browser	Supported Browser	Windows® Internet Explorer® 7.0				
GUI		(Microsoft® Windows Vista® Business 32 bit),				
		Microsoft [®] Internet Explorer [®] 6.0 SP2				
		(Microsoft® Windows® XP Home/Professional SP2)				

TV System		NTSC	PAL			
Network	rk Network Interface 10Base-T / 100Base-TX (RJ-45) x1					
	Maintenance Interface					
	No. of Client at a Time					
	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				
		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				
	PS-Data (RS-485)	2x RS-485 (RJ-11) PS-Data con				
	Controller	from WV-CU650 or Matrix Switc	her 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/SDHC Slot	SD/SDHC Memory Card Slot (Front) x1				
HDD	D Type 3.5 inch Serial ATA HDD, Up to 4x HDDs car					
	Maximum HDD	31 HDDs (with 3x WJ-HDE400 extension units each with 9x HDD slots)				
	RAID	RAID5/RAID6 supported (with WJ-HDB601)				
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN60065, EN55022 ClassB,			
Specifications		C-UL (CAN/CSA C22.2 No.60065),	EN55024)			
		DOC (ICES003 ClassA)				
	Power Source	120 V AC, 60 Hz	220 ~ 240 V AC, 50 Hz			
	Power Consumption	130 W				
	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 proje	projections)			
	Weight (approx.)	14 kg (30.8 lbs.) without HDD (Factory default),				
		17 kg (37.4 lbs.) with 4 HDDs				

Standard Accessories

Standard Accessories	Optional Acce	ssories				
CD-ROM* 1 pc. Installation Guide 1 pc. Uuick Reference Guide 1 pc. Quick Reference Guide 1 pc. The CD-ROM contains the operating instructions (PDFs) and other manuals. The following are for installation: Power Cord (NTSC model) 1 pc. Power Cord (NTSC model) 2 pcs. Rack Mount Bracket 2 pcs. Screw for Rack Mount Bracket 6 pcs. Rack Handle 2 pcs. Screw for Rack Handle 4 pcs. Washer. 4 pcs. HDD Canister. 6 pcs.	HDD Canister WJ-HDU40K RAID Board WJ-HDB601 Built-in DVD Drive WJ-HDB611	Hard Disk Extension		Super Dynamic 5 Day/Night Camera WV-CP500 Series Lens: optional	Super Dyna Vandal Res WV-CV Series	istant Fixed Dome Camera
	RS-485 System Control with 3D-Joystick & Jog/3 WV-CU650		i-Pro Managem		Matrix Switcher WJ-SX650	

Trademarks and registered trademarks

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.
 Hicrosoft, 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" 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.



Panasonic

http://panasonic.net/security/ Printed in Japan (2A-049BA)