



PS•Data

INTRODUCING A DIGITAL DISK RECORDER THAT INCORPORATES A 120 GB HARD DISK, 8 PORTS FOR CAMERA INPUT, AND NETWORK - READY CAPABILITY.

Panasonic introduces the WJ-HD200 to its Digital Disk Recorder model lineup.

Incorporating a 120 GB hard disk, this unit permits continuous recording for 1 week.* For longer recording times, the unit can be expanded to 240 GB of hard disk drive storage space.

Up to 8 (eight) cameras can be connected, with the ability for spot, multi-screen and individual camera display. A 4-screen or 8-screen display mode is possible thanks to a built-in frame switcher. The WJ-HD200 features a Triplex Monitoring Function that allows for the monitoring, recording, and reproduction of live pictures. The Pre-Recording Function initiates recording of up to five seconds before the sensor is triggered. Equipped with a 10/100 Base-T network interface the unit allows for remote monitoring and operation by using a personal computer through a LAN, WAN, or Internet.

Best suited for gas stations, parking lots, hotels, etc., the WJ-HD200 allows for high quality and cost effective video surveillance.

* Depends on the setting for the recording mode.

Key Features

- High quality pictures by JPEG digital recording.
- Built-in 120GB HDD, and plus 120GB can be added in one unit (240GB total).
- Built-in 8ch multiplex frame switching system.
- 10/100 Base-T network interface capability for remote monitoring.
- Built-in network interface protocol (TCP/IP, HTTP, FTP and SMTP).
- 4 (four) way JPEG compression recording modes selectable.
- Built-in 8ch motion detector function.
- Monitor output for 4/8 multi-screen.
- Max. 5 seconds pre-alarm recording function.
- Various alarm mode setting
- Remote control by PC with RS232C devices, and RS485 chain by PS-Data link with optional System Controller ; WV-CU360C.
- 1ch Audio input / output.
- 1ch Video / Audio output for browsing the recorded pictures to optional Time Lapse VCR.
- Easy installation and operation.
- 1H (height) compact design.



Time-Lapse Mode Recording Time Video Signal : NTSC Color Signal, Pixels : 720H x 240V, HDD : 240GB, Audio Signal : off

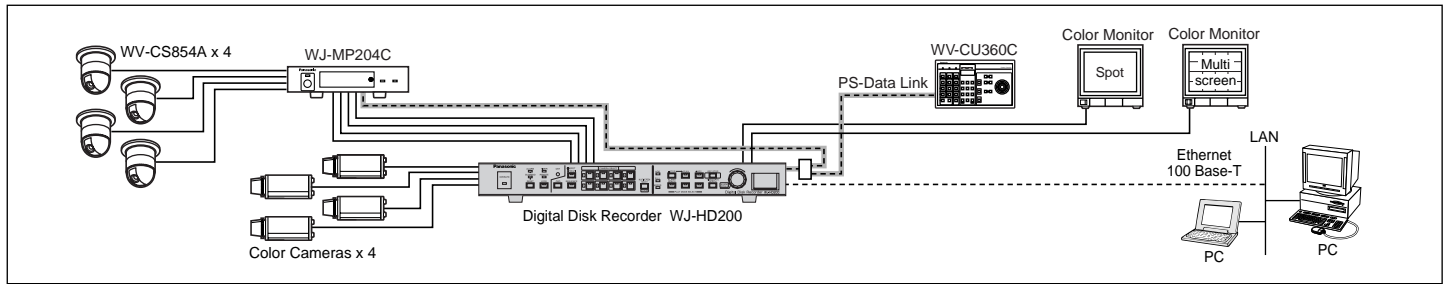
Recording Mode	Hours (days)	24H (1)	48H (2)	72H (3)	96H (4)	120H (5)	240H (10)	480H (20)	960H (40)	1,440H (60)	2,160H (90)	2,880H (120)	4,320H (180)	6,480H (270)	8,640H (360)
Extended (5) FPS			30.0		15.0	7.5	3.0	2.0		1.0			0.5	0.3	0.2
Normal (7) FPS		30.0		15.0	7.5	3.0	2.0	1.0			0.5	0.4	0.3	0.2	
Fine (8) FPS		30.0		15.0		6.0	3.0		1.0			0.5	0.4		0.2
Super Fine (10) FPS		30.0		15.0		10.0	5.0	2.0	1.0		0.5	0.4	0.3	0.2	0.1

(FPS : Frame Per Second)

Capture Rate FPS	30	15	10	7.5	6	5	3	2	1	0.5	0.3	0.2
Extended (5)	79	158	237	316	395	474	791	1,187	2,374	4,748	7,914	
Normal (7)	65	131	197	263	329	395	659	989	1,978	3,957		9,893
Fine (8)	59	118	177	237	296	355	592	889	1,778	3,557		8,893
Super Fine (10)	47	94	142	189	236	284	473	710	1,421	2,843		7,109

(Hours)

SYSTEM EXAMPLE



SPECIFICATIONS

General	
Power Source	AC120V, 60Hz
Power Consumption	(35W)
Operating Temperature	+5 °C ~ +45 °C
Dimensions	420mm(W) x 44mm(H) x 350mm(D) [16-9/16" x 1-3/4" x 13-3/4"]
Weight	5.2 kg (2.4 lbs.)
Input	
Video Input	8 terminals, 1V[p-p] / 75 Ω, composite video BNC x 8 signals with looping through
Audio Input	-10dBV 10 kΩ unbalanced RCA x 1
Alarm Input	Non-voltage make contact 100ms or longer x8 25pinD-sub
Alarm Reset Input	Non-voltage make contact 100ms or longer x1 25pinD-sub
EXT. REC Input	Non-voltage make contact 100ms or longer x1 25pinD-sub
Time Adjust Input	Non-voltage make contact 100ms or longer x1 25pinD-sub
Sequence Input	Non-voltage make contact 100ms or longer x1 25pinD-sub
Output	
Video Output	8 terminals, 1V[p-p] / 75 Ω, composite video BNC x 8 signals with looping through
Multi Output	Composite Video 1V[p-p] / 75 Ω BNC x 1
Spot Output	Composite Video 1V[p-p] / 75 Ω BNC x 1
Audio Output	-10dBV 600 Ω unbalanced RCA x 1
Front Video Output	Composite Video 1V[p-p] / 75 Ω RCA x 1
Front Audio Output	-10dBV 600 Ω unbalanced RCA x 1
Alarm Output -1	Open-collector Max. DC24V 100mA x1 25pinD-sub
Alarm Output -2	DC12V 4.7 kΩ high active x1 25pinD-sub
Alarm Recover Output -1	Open-collector Max. DC24V 100mA x1 25pinD-sub
Alarm Recover Output -2	DC5V 220 Ω high active x1 25pinD-sub
Disk End Status Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Time Adjust Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Warning Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Record Status Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Play Status Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Sequence Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Camera Switch Output	Open-collector Max. DC24V 100mA x1 25pinD-sub
Network Interface	
Protocol Installed	100Base-TX/10Base-T RJ-45
Security	TCP/IP, HTTP, FTP, SMTP
Serial Interface	Password protection
RS-232C	(Selectable)
RS-485	9pin D-sub
	PS-Data protocol Modular-6
Hard Disk Drive Unit	
Standard HDD Unit	1 bay (120GB)
Drive Bay for Optional HDD Unit	1 bay
Functions	
Recording & Playback	
Video Compression	Jpeg
Refresh Rate	Max. 25fps
Sampling Pixels	720 x 240
Simultaneous Operation	Record, Playback, Network monitoring, Multi display
Recording Duration	168H (@ 1fps/CH, EX with 8 cameras, 120GB)
Multiple Display	Quad, 8-screen
Alarm Interface	
Alarm Input	8 input
Pre-Alarm	Max. 5 second
Alarm Logs	10,000 event
Alarm Suspend	On/Off
Alarm Mail	Send e-mail with 1 Jpeg image file attached
Network Operation	
HTTP	Controlled from PC browsers Live view monitoring, Playback image monitoring, Image search, Setup configuration
Image Refresh Rate	5 Images/s or more (TENTATIVE)
FTP	FTP command supported Get image files, Auto image file transfer, Firmware update
SMTP	Alarm mail
Authorization	3 Level Administrator, Play & Rec, Others
Video Motion Detector	
Area Setting	4 area for each camera
Sensing Level	3 level for each camera

MAJOR OPERATING CONTROLS

Front View

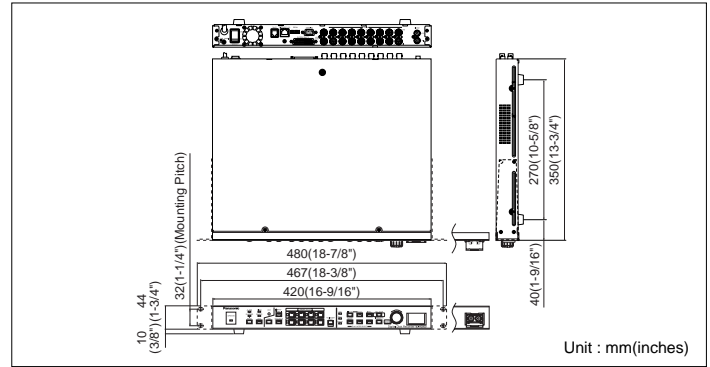
Rear View

① Operate Indicator	⑮ Full Indicator	⑳ Audio Output Connector
② Alarm Indicator	⑯ Error Indicator	㉑ Video Input Connector
③ Alarm Suspension Indicator	⑰ Stop and Setup/Escape	㉒ Video Output Connector
④ Alarm Reset Button	⑱ Playback Button	㉓ Spot Output Connector
⑤ Remote Indicator	⑲ Recording Button	㉔ Multi-screen Output Connector
⑥ Timer Indicator	⑳ Recording Stop	㉕ Alarm/Remote Port
⑦ Lock Button	㉑ Alarm Search Button	㉖ RS232C Port
⑧ Daylight Saving	㉒ Step Playback & Down	㉗ Mode Setup DIP Switch
⑨ On Screen Display Button	㉓ Skip Playback & Up Button	㉘ 10BaseT/100BaseTX
⑩ Monitor Selection Button	㉔ Time and Date Search	㉙ PS-Data Port
⑪ Sequence Button	㉕ Jog Dial	㉚ Cooling Fan
⑫ Camera Selection Button	㉖ Video Output	㉛ Power Switch
⑬ Multi-screen Selection	㉗ Audio Output	㉜ Signal Ground Terminal
⑭ HDD Access	㉘ Audio Input Connector	㉝ AC Outlet

Rear Terminal

① Alarm Reset in	⑧ Disk End out	⑮ Alarm 5 in	㉒ Ext. Rec in
② Alarm 1 in	⑨ Warning out	⑯ Alarm 6 in	㉓ Camera Switch out
③ Alarm 2 in	⑩ Alarm 3 in	⑰ Alarm 7 in	㉔ Sequence in
④ Alarm Recover out 2	⑪ Alarm 4 in	⑱ Alarm 8 in	㉕ Sequence out
⑤ Alarm Recover out 1	⑫ Rec Status out	⑲ Signal Ground	
⑥ Alarm Out 2	⑬ Time Adjust in	⑳ Signal Ground	
⑦ Alarm Out 1	⑭ Time Adjust out	㉑ Play Status out	

DIMENSIONS



• Weights and dimensions are approximate. • Specifications are subject to change without notice. • These products may be subject to export control regulations.



Panasonic Digital Communications & Security Company
Unit Company of Matsushita Electric Corporation of America

Security & Vision Systems Group

Security Systems

<http://panasonic.com/cctv>

Executive Office : One Panasonic Way 3E-7, Secaucus, New Jersey 07094

Zone Office

Eastern : One Panasonic Way, Secaucus, NJ 07094 (201) 348-7303

Central : 1707 N.Randal Road, Elgin, IL 60123 (847) 468-5205

Western : 6550 Katella Ave., Cypress, CA 90630 (714) 373-7840

DISTRIBUTED BY:

PANASONIC CANADA INC.

5770 Ambler Drive, Mississauga, Ontario, L4W 2T3 Canada (905) 624-5010

PANASONIC SALES COMPANY

DIVISION OF MATSUSHITA ELECTRIC OF PUERTO RICO, INC.

San Gabriel Industrial Park 65th Infantry Ave. KM. 9.5 Carolina, P.R. 00985 (809) 750-4300

Printed in Japan

WJ-JHHD200T(2P-499)