Panasonic
Closed Circuit Video Equipment

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 10Base-T/100Base-TX 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.
- 10Base-T / 100Base-TX network interface capability for remote monitoring.
- Built-in network interface protocol (TCP/IP, HTTP, FTP, SMTP, DHCP, SNMP and DDNS).
- Optional Network PC Software; WJ-AS20 is available.
- 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-CU360CJ.
- 1ch Audio input / output.
- 1ch Video / Audio output for recording images to on optional Time Lapse VTR.
- Easy installation and operation.
- 1H (height) compact design.

Hard Disk Drive

TIME-LAPSE MODE RECORDING TIME
Video Signal : PAL Colour Signal, Pixels : 720H x 286V, HDD : 120GB, Audio Signal : off

Recording	Hours	24H	48H	72H	96H	120H	180H	240H	480H	960H	1,200H	1,440H	4,320H	6,480H	8,640H
Mode	(days)	(1)	(2)	(3)	(4)	(5)	(7.5)	(10)	(20)	(40)	(50)	(60)	(180)	(270)	(360)
Extended	FPS	25.0		12.5		8.3	5.0	3.5	2.0	1.0		0.5			0.1
Normal	FPS	25.0	12.5		8.3	6.2	3.5	2.0	1.0			0.5		0.1	
Fine	FPS	25.0	12.5	8.3		6.2	3.5	2.0	1.0			0.5		0.1	
Super Fine	FPS	25.0	12.5	8.3	6.2	5.0		2.0	1.0		0.5		0.1		

(FPS : Frame Per Second)

Capture Rate	FPS	25.0	12.5	8.3	6.2	5.0	3.5	2.0	1.0	0.5	0.2	0.1
Extended	Hours	40	80	120	160	200	280	480	1,010	2,020	5,060	
Normal	Hours	30	60	100	130	160	230	400	840	1,680		8,440
Fine	Hours	25	55	90	120	150	210	360	750	1,510		7,580
Super Fine	Hours	20	40	70	90	120	160	290	600	1,210		6,060

(Hours)
(above figures are approximately, actual recording time may differ.)

SYSTEM EXAMPLE

WV-CS850A x 4 · WJ-MP204C · WV-CU360CJ · Colour Monitor Spot · Colour Monitor Multi-screen · PS-Data Link · Colour Cameras x 4 · Digital Disk Recorder WJ-HD200 (with 8ch Multiplexer) · Ethernet 100 Base-T · LAN · PC · PC
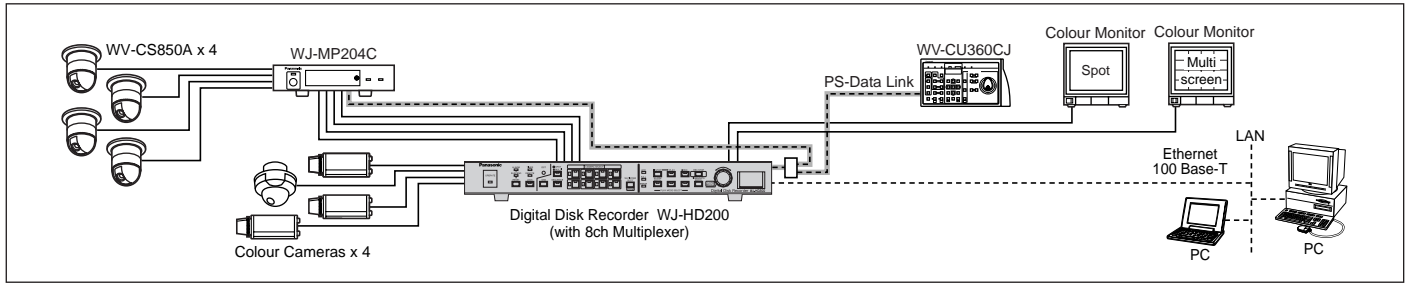
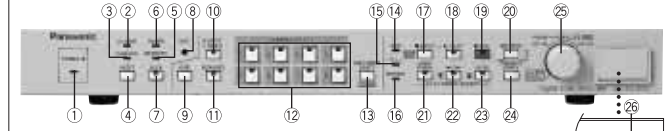## SPECIFICATIONS PAL

Input

Video Input	8 terminals, 1V[p-p] / 75 Ω, PAL 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 25pin D-sub
Alarm Reset Input	Non-voltage make contact 100ms or longer x1 25pin D-sub
EXT. REC Input	Non-voltage make contact 100ms or longer x1 25pin D-sub
Time Adjust Input	Non-voltage make contact 100ms or longer x1 25pin D-sub
Sequence Input	Non-voltage make contact 100ms or longer x1 25pin D-sub

Output

Video Output	8 terminals, 1V[p-p] / 75 Ω, PAL 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
Video Output (Front)	Composite Video 1V[p-p] / 75 Ω RCA x 1
Audio Output (Front)	-10dBV 600 Ω unbalanced RCA x 1
Alarm Output -1	Open-collector Max. DC24V 100mA x1 25pin D-sub
Alarm Output -2	DC12V 4.7 kΩ high active x1 25pin D-sub
Alarm Recover Output -1	Open-collector Max. DC24V 100mA x1 25pin D-sub
Alarm Recover Output -2	DC5V 220 Ω high active x1 25pin D-sub
Disk End Status Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Time Adjust Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Warning Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Record Status Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Play Status Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Sequence Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Camera Switch Output	Open-collector Max. DC24V 100mA x1 25pin D-sub
Network Interface	10Base-T/100Base-TX RJ-45
Protocol Installed	TCP/IP, HTTP, FTP, SMTP, DHCP, SNMP and DDNS
Security	Password protection
Serial Interface	(Selectable)
RS-232C	9pin D-sub
RS-485	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 (at recording mode)
Sampling Pixels	720H x 286V
Simultaneous Operation	Record, Playback, Network monitoring, Multi display
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

Video Motion Detector

Area Setting	4 area for each camera
Sensing Level	3 level for each camera

General

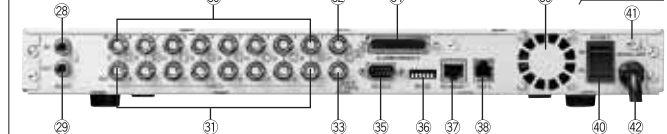|	
Power Source	AC220V ~ 240V, 50Hz
Power Consumption	35W
Operating Temperature	+5 °C ~ +45 °C
Dimensions	420(W) x 44(H) x 350(D) mm
Weight	5.2 kg

OPTIONAL COMPONENTS & ACCESSORIES

Network PC Software **WJ-AS20**	Colour Dome Cameras **WV-CW860** Series **WV-CS850A** Series **WV-CS320** Series	System Controller **WV-CU360CJ** PS·Data
Daisy Chain Connection (option) **WV-CA48/10K** (Cable Kit) **WV-CA48/50** (Cable) **WV-CA48/JN** (Junction Unit) **WV-CA48/TN** (Termination)		Data Multiplex Unit **WJ-MP204C** PS·Data

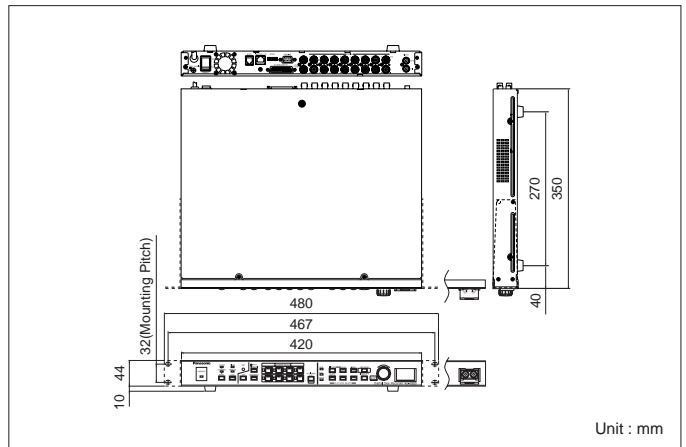## MAJOR OPERATING CONTROLS

Front View

Rear View

① Operate Indicator
② Alarm Indicator
③ Alarm Suspension Indicator
④ Alarm Reset Button
⑤ Remote Indicator
⑥ Timer Indicator
⑦ Lock Button
⑧ Daylight Saving
⑨ On Screen Display Button
⑩ Monitor Selection Button
⑪ Sequence Button
⑫ Camera Selection Button
⑬ Multi-screen Selection
⑭ HDD Access
⑮ Full Indicator
⑯ Error Indicator
⑰ Stop and Setup/Escape
⑱ Playback Button
⑲ Recording Button
⑳ Recording Stop
㉑ Alarm Search Button
㉒ Step Playback & Down
㉓ Skip Playback & Up Button
㉔ Time and Date Search
㉕ Jog Dial
㉖ Video Output Connector
㉗ Audio Output Connector
㉘ Audio Input Connector
㉙ Audio Output Connector
㉚ Video Input Connector
㉛ Video Output Connector
㉜ Spot Output Connector
㉝ Multi-screen Output Connector
㉞ Alarm/Remote Port
㉟ RS232C Port
㊱ Mode Setup DIP Switch
㊲ 10Base-T/100Base-TX
㊳ PS-Data Port
㊴ Cooling Fan
㊵ Power Switch
㊶ Signal Ground Terminal
㊷ AC Outlet

Alarm/Remote Terminal

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

DIMENSIONS

480
467
420
270
350
40
32(Mounting Pitch)
10 44
Unit : mm

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

DISTRIBUTED BY:

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