



WJ-FS409

WJ-FS416

PS•Data

INTRODUCING HIGH-PERFORMANCE, LOW-COST, DIGITAL DUPLEX COLOR MULTIPLEXERS FROM PANASONIC.

The Panasonic WJ-FS409 (9-channel) and the WJ-FS416 (16-channel) digital duplex color multiplexers are indispensable when constructing an accurate and efficient monitoring system.

Using the Time-Lapse VCR or WJ-HD100 digital disk recorder (sold separately), multiple channels from the monitoring cameras can be recorded in multiplex format. Functions like multi-screen monitoring, spot monitoring, superimposed title display and electronic zoom can even be used during recording. A monitoring system using these products will not only be more efficient, but will offer better visual quality. By adding optional units such as the WJ-MP204 data multiplex unit and the WV-CU360 system controller, complex camera control sequences become incredibly simple.

Panasonic's digital duplex color multiplexers are the key component to an effective surveillance system.

Key Features

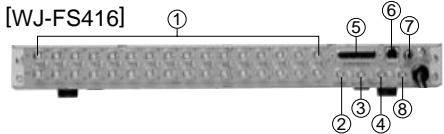
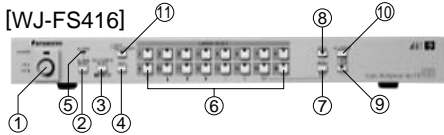
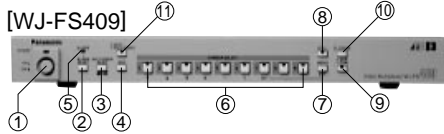
- Digital color duplex system.
- High picture quality of 720H × 480V pixels.
- Multiplexed video signals are supplied to the recording out.
- Playback image can be displayed in multi or full screen, via monitor output.
- The full screen image can be zoomed in two (2) times.
- Sequence mode up to 9 (WJ-FS409) , or 16 (WJ-FS416) steps with dwell times.
- Built-in Panasonic Security Data (PS · Data) link mode.
- Versatile alarm recording capability.
- Built-in alphanumeric character display.
- On-screen setup menu.
- 1H(height) compact design.

Product line-up

WJ-FS409 : 9-channel camera input

WJ-FS416 : 16-channel camera input

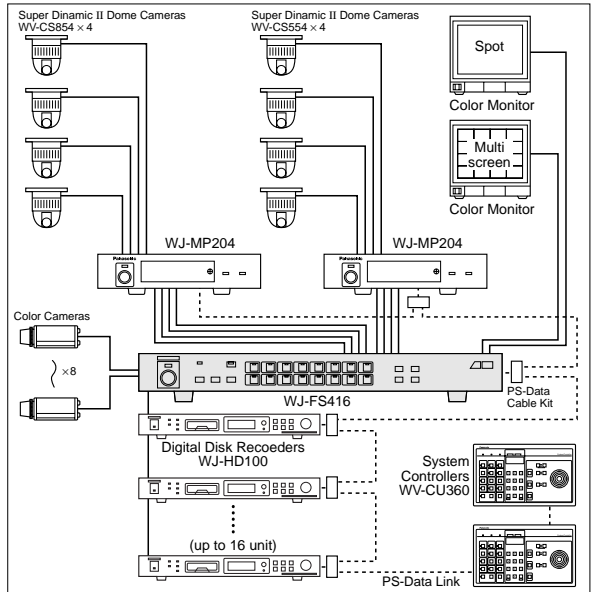
MAJOR OPERATING CONTROLS



- ① Power Switch
- ② Alarm Reset Button
- ③ Multi Screen Selection Button
- ④ Sequence Button
- ⑤ Alarm Indicator
- ⑥ Camera Selection Button
- ⑦ Menu Button/ESC Button
- ⑧ Still Button
- ⑨ VCR/CAMERA Selection Button
- ⑩ Electric Zoom Button
- ⑪ Spot/Multiscreen Selection Button

- ① Video In/Out Connector
- ② Playback Input Connector
- ③ Record Output Connector
- ④ Multi Screen Output Connector
- ⑤ Alarm/Remote Control Connector
- ⑥ Data Connector (RS-485) (RJ-11)
- ⑦ Camera Switching Input Connector
- ⑧ Spot Output Connector

SYSTEM EXAMPLE



RECORDING MODE OF PANASONIC AG-6730 & SWITCHING INTERVALS

Recording Mode		2H	6H	12H	18H	24H	48H	72H	96H	120H	180H	240H	480H	Multiplexers
Recording Interval (Sec)		0.08	0.13	0.16	0.23	0.23	0.43	0.63	0.83	1.03	1.53	2.03	4.03	WJ-FS409/FS416
Recording Interval from ch 1 to ch 1 (Sec)	4 cameras	0.31	0.51	0.64	0.91	1.71	2.51	3.31	4.11	6.11	8.11	16.11	16.11	WJ-FS409/FS416
	9 cameras	0.81	1.26	1.56	2.16	3.96	5.76	7.56	9.36	13.86	18.36	36.36	36.36	WJ-FS409/FS416
	12 cameras	0.93	1.53	1.93	2.73	5.13	7.53	9.93	12.33	18.33	24.33	48.33	48.33	WJ-FS416
	16 cameras	1.07	1.87	2.40	3.47	6.67	9.87	13.07	16.27	24.27	32.27	64.27	64.27	WJ-FS416

*Above figures are using Panasonic Time Lapse VCR : AG-6730

RECORDING MODE OF PANASONIC WJ-HD100 & SWITCHING INTERVALS

Recording Mode		2H	6H	24H	48H	72H	96H	120H	180H	240H	480H	Multiplexers
Recording Interval (Sec)		0.07		0.23	0.43	0.63	0.83	1.03	1.53	2.03	4.03	WJ-FS409/FS416
Recording Interval from ch 1 to ch 1 (Sec)	4 cameras	0.31		1.01	1.94	2.87	3.81	4.74	7.07	9.41	18.74	WJ-FS409/FS416
	9 cameras	0.69		2.25	4.33	6.41	8.49	10.57	15.77	20.97	41.77	WJ-FS409/FS416
	12 cameras	0.84		2.74	5.27	7.81	10.34	12.88	19.21	25.54	50.87	WJ-FS416
	16 cameras	1.07		3.47	6.67	9.87	13.07	16.27	24.27	32.27	64.27	WJ-FS416

*above figures are using Panasonic Digital Disk Recorder : WJ-HD100

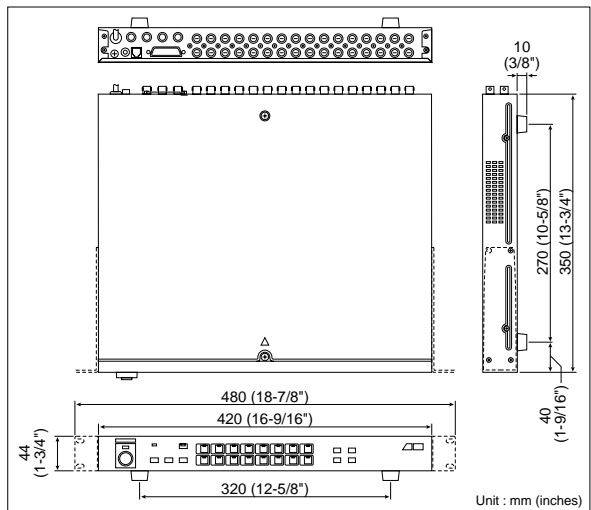
SPECIFICATIONS

Model No.	WJ-FS409	WJ-FS416
Camera Input No.	9 cameras	16 cameras
Power Source	120 V AC 60Hz	
Power Consumption	14W	
Camera Input	1.0 v [p-p] /75Ω 2:1 interlaced NTSC composite video signal	
Playback Input	1.0 v [p-p] /75Ω NTSC composite video signal	
Camera Switching Input	1RCA pin jack	
Sampling Frequency	4 fsc 14MHz	
Quantizing	8 bit	
Pixels	720H x 480V	
Minimum Switching Interval (Rec.out)	4 fields	
Spot Out	1.0 v [p-p] /75Ω NTSC composite video signal	
Data Input	RS485 (RJ-11)	
Camera Output	1.0 v [p-p] /75Ω automatic termination looped through	
Recording Output	1.0 v [p-p] NTSC composite video signal, multiplexed with camera ID	
Multi Screen Out	1.0 v [p-p] /75Ω composite video signal	
Alarm/Remote Control	25-pin D-sub connector	
Ambient Operating Temperature	-10°C - +50°C (14°F - 122°F)	
Ambient Operating Humidity	Less than 90%	
Dimensions	420 (W) x 44 (H) x 350 (D) mm 16-9/16" (W) x 1-3/4" (H) x 13-3/4" (D)	
Weight	4kg (8.8lbs.)	
Accessory	EIA 19-type rack mount bracket	

OPTIONAL COMPONENTS & ACCESSORIES

Digital Disk Recorder : WJ-HD100	PS-Data Cable Kit : WV-CA48/10k
Data Multiplex Unit : WJ-MP204	System Controller : WV-CU360

APPEARANCE



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

Panasonic

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