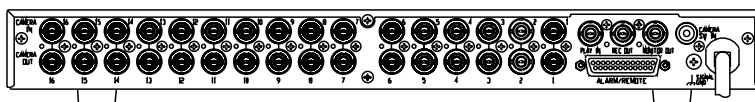
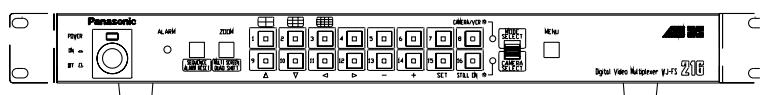


WJ-FS216 **Digital Video** **Simplex** **Multiplexer**

PRODUCT FEATURES

- Permits multiplexed field recording of 16 cameras with a single VCR
- Color compatible
- 4, 9 and 16 multiscreen monitoring
- 720 x 486 pixel resolution
- Dynamic alarm recording automatically records an additional field of a camera in alarm
- Video loss detection on all channels
- 16 video inputs, 16 alarm input connections, monitor output record output, playback video inputs, camera switching pulse input, alarm recover input and alarm output
- Rack-mountable—occupies one (1) EIA rack height unit
- Compatible with model WJ-DR200 digital video recorder
- 1 $\frac{1}{4}$ "H x 16 $\frac{5}{16}$ "W x 13 $\frac{1}{16}$ "D
- UL listed

The WJ-FS216, a simplex multiplexer with 16 channel inputs is of compact design, yet it offers reliable performance and a high image quality of 720 x 486 pixels. The WJ-FS216 also offers multiple functions such as 4, 9 and 16 multiscreen monitoring, multiplex recording, 16-channel alarm capability, video loss detector, and still and digital zoom. These functions make the WJ-FS216 one of the most cost effective multiplexers on the market.



WJ-FS216 Digital Video Simplex Multiplexer

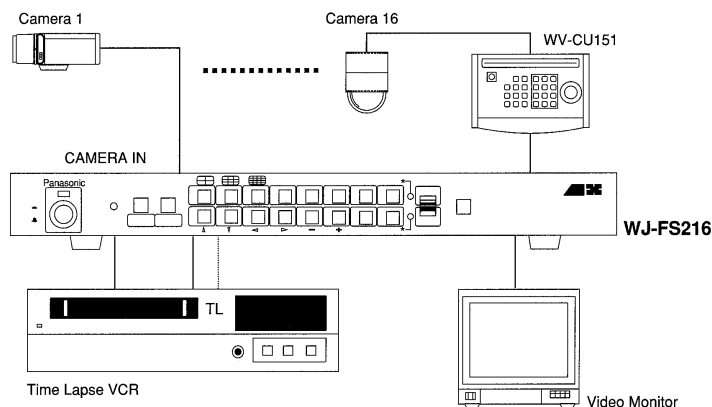
GENERAL SPECIFICATIONS

Frame Memory	Scanning frequency: 14MHz Quantizing bit: 8-bit
Internal Sync	2:1 interlace Horizontal: 15.7kHz Vertical: 59.9Hz
Maximum Number of Camera Inputs	16 cameras
Input Signal	Camera input: 1.0Vp-p/75 ohm (BNC) x 16 with loopthrough outputs; Playback input: 1.0Vp-p/75 ohm (BNC) x 1; Alarm input: 16 (D-Sub); Alarm Recover Input: 1 (D-Sub)
Output Signal	Monitor Output: 1.0Vp-p/75 ohm (BNC) x 1; Recording Output: 1.0Vp-p/75 ohm (BNC) x 1; Alarm Output: 1 (D-Sub); Alarm Auto-Recover: 1-60 sec. (adjustable)
Ambient Operating Temperature	14°F ~ +122°F (-10°C ~ +50°C)
Power Supply	120VAC, 60Hz
Dimensions	1 3/4"H x 16 5/8"W x 13 13/16"D (44 x 420 x 350mm)
Weight	10.2 lbs. (4.6kg)

STANDARD ACCESSORY

Rack-mount bracket
Weights and dimensions shown are approximate.
Specifications subject to change without notice.

SYSTEM CONFIGURATION



RECORDING MODES

Recording Mode	2H	6H	24H TL	24H Linear	24H Real Motion	48H	72H	84H	120H	180H	240H	480H
Recording Time per Field (Sec)	1/60	1/60	0.20	0.20	0.03	0.40	0.60	0.70	1.00	1.50	2.00	4.00
Recording Interval of the WJ-FS216 from ch1 to ch1 (Sec)	4 cameras	0.27	0.27	0.93	0.93	0.31	1.87	2.80	3.60	5.10	7.60	20.10
	8 cameras	0.53	0.53	1.86	1.85	0.63	3.40	5.20	7.20	10.20	15.20	40.20
	12 cameras	0.80	0.80	2.79	2.79	0.95	5.61	8.40	10.80	15.30	22.80	60.30
	16 cameras	1.07	1.07	3.72	3.72	1.26	7.48	11.20	14.40	20.40	30.40	80.40

ARCHITECTS' AND ENGINEERS' BID SPECIFICATIONS

The multiplexer shall be a Panasonic WJ-FS216 equal or better. The digital multiplexer shall permit multiplex recording of the images of 16 cameras with a single VCR, switching one to another field by field. The image of each camera shall be recorded with a minimum lapse or can be played back in continuous moving pictures using a single VCR. The digital multiplexer shall switch cameras twice as fast as a frame switcher. With the digital multiplexer it shall be possible for virtually any model of 2:1 interlace type camera—with or without genlock, color or black-and-white—to be used with this unit. The unit shall feature a built-in programmable switcher with dwell time and camera order programming. The unit shall automatically switch multiple camera images to enable sequential spot monitoring and simultaneous field recording. The unit shall offer 4, 9 and 16 multiscreen monitoring with 720 x 486 pixel resolution. Manual spot selection shall also be available. When an alarm is triggered during time-lapse recording, the unit shall provide automatic field switching recording in the 2-hour/6-hour real time mode. The unit shall allow for the recorded images to be played back in 4, 9 or 16 multiscreen display mode. Freeze mode shall also be available for VCR playback. The multiplexer shall feature dynamic alarm recording that will automatically record an additional field of a camera in alarm. The multiplexer shall also feature video loss detection on all channels. The rear panel shall feature 16 video inputs, 16 alarm input connections, monitor output record output and playback video inputs, camera switching pulse input, alarm recover input and alarm output. The unit shall be rack-mountable and occupy one (1) EIA rack height unit. The digital multiplexer shall not exceed 1 3/4"H x 16 5/8"W x 13 13/16"D. Power source shall be 120VAC, 60Hz; and it shall be UL listed.

WJ-FS216 System

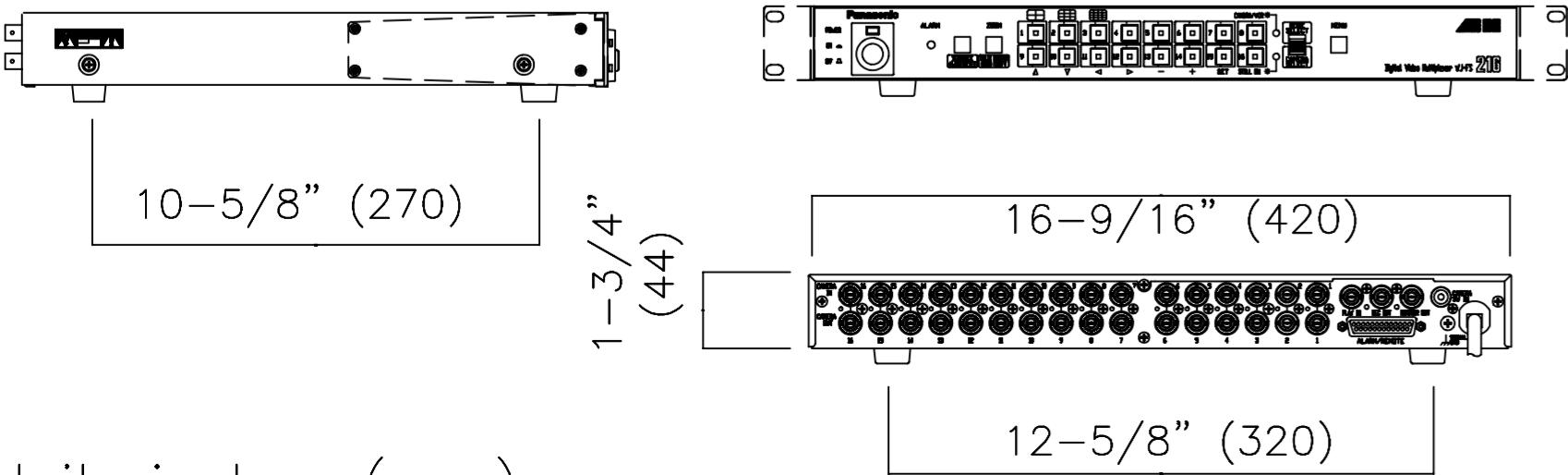
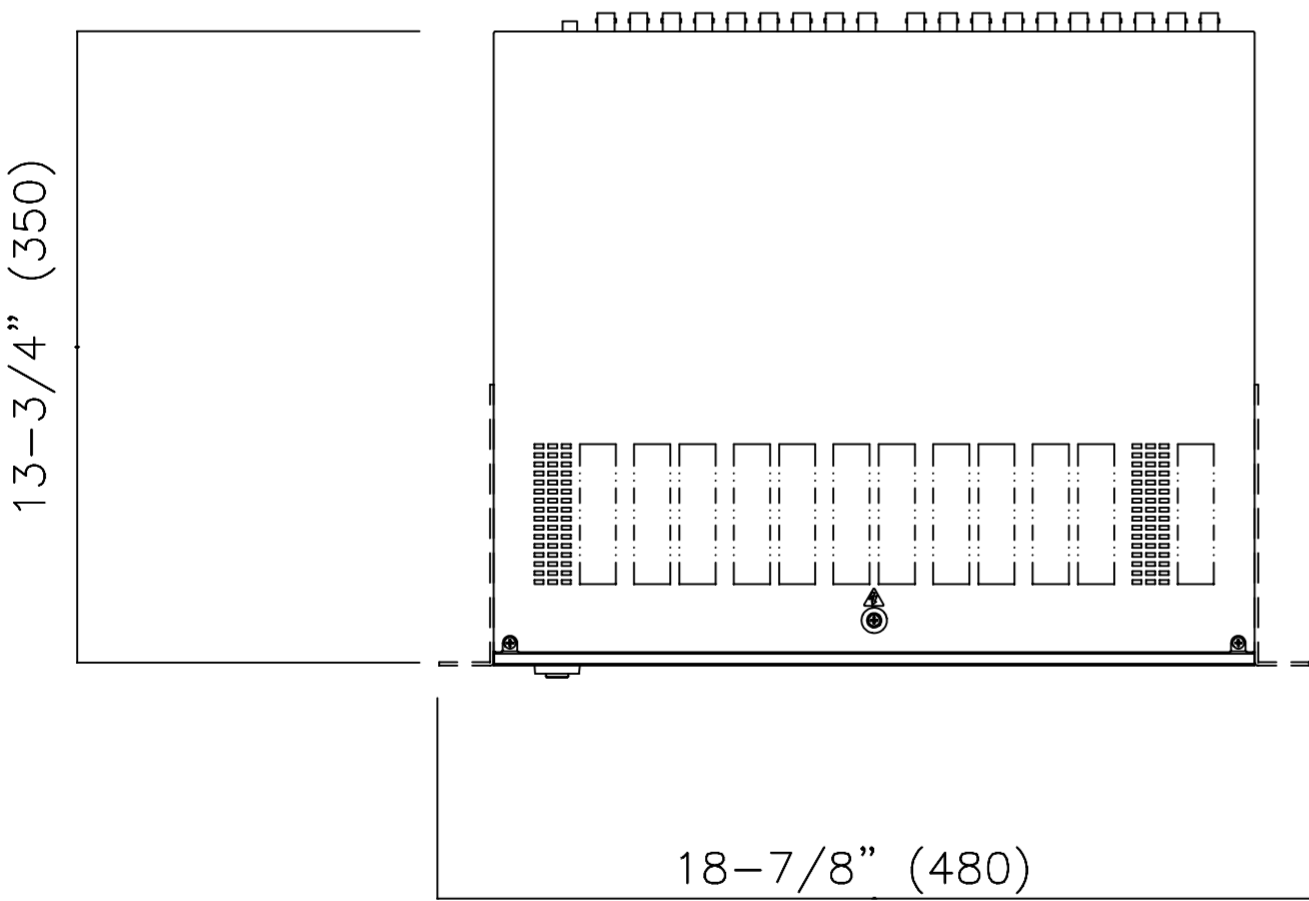
Camera 16

Camera 1

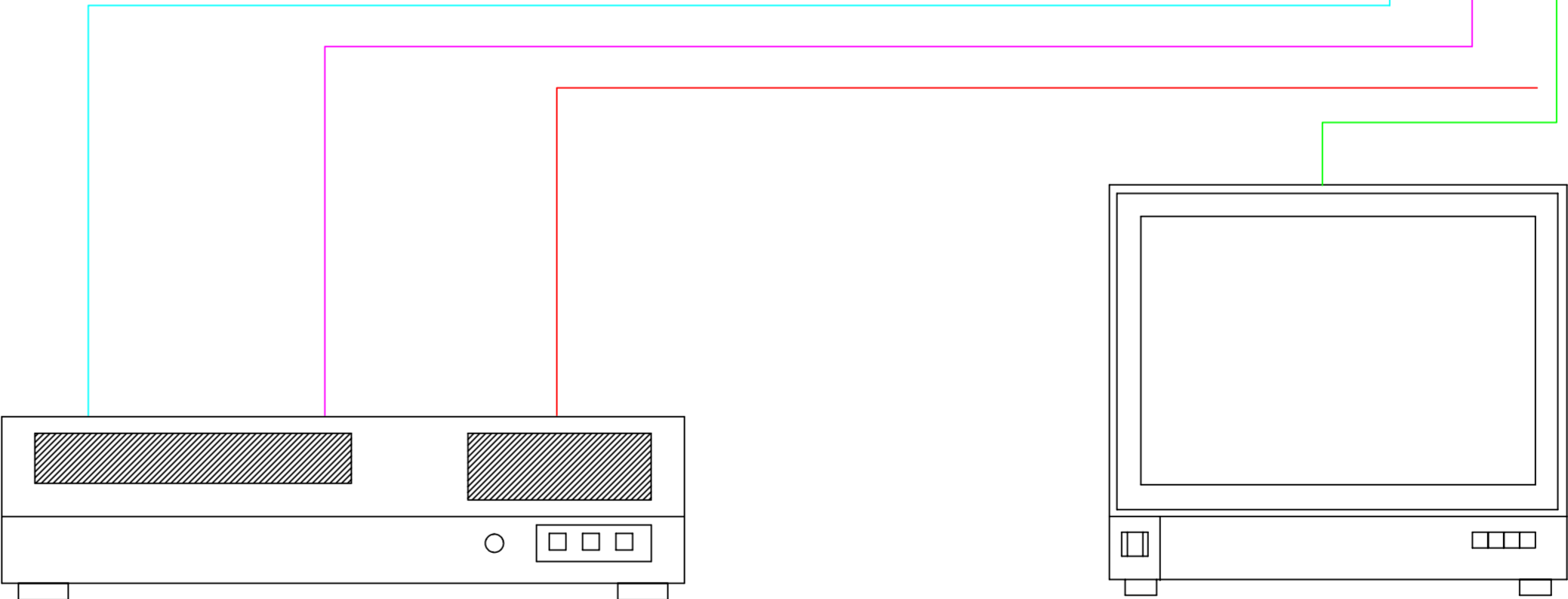
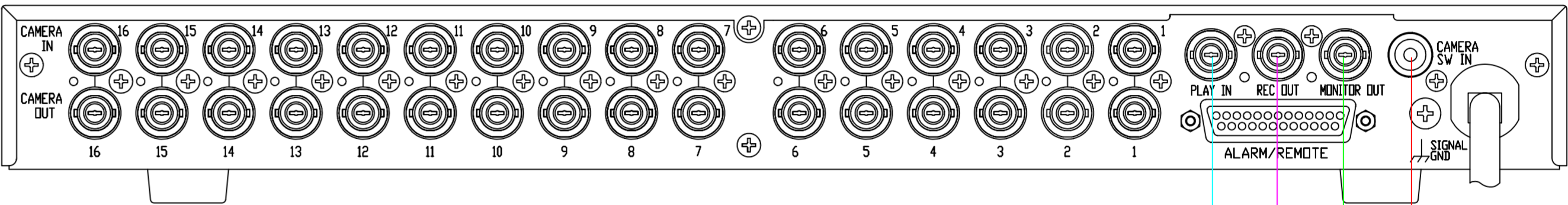
WV-CU151

WJ-FS216

Product Appearance



Unit: inches (mm)



VCR

Monitor

WIRE SPECIFICATION KEY

- RG59U FROM CAMERA OR VCR OUTPUT TO MULTIPLEXER INPUT, or OTHERWISE NOTED
- RG59U FROM REC. OUT ON MULTIPLEXER TO VCR INPUT
- RG59U FROM VCR OUTPUT TO MULTIPLEXER PLAY IN
- RG59U FROM VIDEO OUTPUTS ON MULTIPLEXER TO MONITOR
- RCA DATA: SYNCHRONIZATION SIGNAL FROM VCR TO MULTIPLEXER