



Key Benefits

- ▶ MIL-STD-810H standard
- ▶ 2U 22" short depth and light weight design
- ▶ Rugged construction for mobility & durability
- ▶ Built-in solid bearing slide rails
- ▶ Built-in dual stereo speaker (per display)
- ▶ Four LED backlit display selections (4K, WUXGA, FHD, 4:3)
- ▶ DP + HDMI + VGA video inputs (per display)
- ▶ Fits 24" ~ 36" rack via adjustable mounting brackets
- ▶ 2-year standard warranty (upgradable up to 5 years)

Options

- Sunlight-readable brightness 17.3" FHD & 19" panels available
- 3G / HD / SD-SDI Broadcast-grade input + Speakers (SDI)
- MIL power input connector (MS3470W8-33P)
- DC power : 12V / 24V / 48V / 125V / 250V
- LCD protection : Anti-glare, AR & EMC glass
- Touchscreen

The MIL MRP 2U dual or triple display drawer is designed for Command and Control Systems that demand quick deployment of side-by-side displays. The multi-display solution is meticulously crafted to comply with MIL-STD-810H environmental standards, guaranteeing military-grade durability and ensuring equipment withstands extreme shock, vibration, and temperatures for unwavering reliability in the harshest environments.

The 2U, 22-inch-deep platform enables a compact footprint and transit-case portability. To ensure chassis ruggedness, mobility, and high quality in demanding environments, the MRP drawer is precision-constructed by a team of experts in our state-of-the-art CNC facilities.

Another key benefit of the MRP series is the choice of various panel resolutions, including 4K 17.3", WUXGA 16.2", FHD 17.3", and 19" regular LED-backlit displays. Sunlight-readable FHD 17.3" and 19" LCDs are also available. 4K 17.3" displays satisfy the increasing demand for high-resolution graphics and clear text readability.

Models



17.3" 4K	MRP-K17-3	MRP-K17-2L	MRP-K17-2R
17.3" FHD	MRP-F17-3	MRP-F17-2L	MRP-F17-2R
16.2" WUXGA	MRP-X17-3	MRP-X17-2L	MRP-X17-2R
19" 4:3	MRP-19-3	MRP-19-2L	MRP-19-2R

Product Specifications

LCD Panel	MRP-K17	MRP-F17	MRP-X17	MRP-19
Native resolution	3840 x 2160@60Hz	1920 x 1080	1920 x 1200	1280 x 1024
Panel size (diagonal)	17.3"	17.3"	16.2"	19"
Refresh rate (Hz)	60	60	60	60 / 75
Standard Brightness (cd/m²)	400	300	300	250
High Brightness (cd/m²) - Option	/	☀️ 1000	/	☀️ 1000
Contrast ratio (typ.)	1000 : 1	1000 : 1	800 : 1	1000 : 1
Colors	16.7 M, 8-bit	16.7 M, 8-bit	16.7 M, 8-bit	16.7 M
Viewing angle (L/R/U/D)	89/89/89/89	85/85/85/85	89/89/89/89	85/85/80/80
Response time (ms)	16	25	30	5
Dot pitch (mm)	0.0995	0.1989	0.191	0.294
Display area (mm)	382.12H x 214.94V	381.888H x 214.812V	383.8H x 214.9V	337.92H x 270.33V
Surface treatment	Anti-glare	Anti-glare, Hard-coating	Anti-glare, Hard-coating	Haze 25%, Hard-coating
Surface hardness	3H			
Backlight type	LED			
MTBF (hrs)	50,000	50,000	50,000	30,000

AC power Input		Auto-sensing 100 to 240VAC, 50 / 60Hz			
Power Consumption	Screen on	Max. 21W	Max. 14W	Max. 25W	Max. 22W
	Power saving	Max. 2W			
	Power button off	Max. 1W			

Video Input	DP + HDMI + VGA
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Physical	MRP-K17	MRP-F17	MRP-X17	MRP-19
Product (W x D x H)	441.6 x 550 x 88 mm 17.4 x 21.7 x 3.5 inch			441.6 x 600 x 88 mm 22.8 x 23.6 x 7.8 inch
Packing (W x D x H)	580 x 683 x 197 mm 22.8 x 26.9 x 7.8 inch			581 x 753 x 216 mm 22.9 x 29.7 x 8.5 inch
Net Weight	Triple display Dual display	24.1 kg / 53 lb 19.4 kg / 42.7 lb		25.1 kg / 55.2 lb 20.4 kg / 44.9 lb
Gross Weight	Triple display Dual display	29.3 kg / 64.5 lb 24.2 kg / 53.2 lb		30.3 kg / 66.7 lb 25.2 kg / 55.4 lb
Chassis color / materials	Dark / Steel			

* All dimensions stated are subject to change if options are selected / integrated to base model part codes

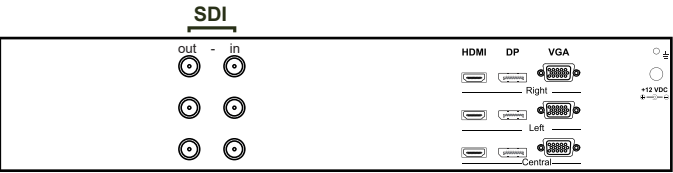
Military Environment MIL-STD-810H Standard	
MIL-STD-810H, Method 502.7 & 501.7	Operation temp : -20 to 65°C
	Storage temp : -30 to 60°C
MIL-STD-810H, Method 500.6-i-500.6-8	Operation altitude : 10,000 ft
	Storage altitude : 30,000 ft
MIL-STD-810H, Method 507.6	Humidity: 10% - 90%, non-condensing
MIL-STD-810H, Method 516.8 & 514.8	Shock/Vibration : Procedure VI, 50G @11ms

Certificate
CE/ EMC EN55032/ EN55035
CE/ LVD EN62368
FCC sub part 15B
RoHS 3 & REACH & WEEE

Options

3G / HD / SD-SDI Broadcast-grade input

- Meets the demanding requirements of professional broadcast video and high-resolution CCTV markets.
- Supports high-definition resolutions up to 1080p @ 60Hz.

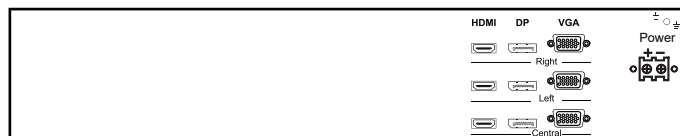


Options

DC power : 12V / 24V / 48V / 125V / 250V



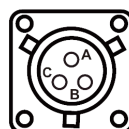
Model	12V	24V	48V	125V	250V
Input rating					
Input voltage	12-Volt	24-Volt	48-Volt	110-Volt	300-Volt
Input range	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V	180 ~ 425V
Input current					
No load	50 mA	50 mA	50 mA	35 mA	10 mA
Full load	4950 mA	2450 mA	1220 mA	749 mA	600 mA
Output rating					
Output voltage	12-Volt	12-Volt	12-Volt	12-Volt	12-Volt
Output current	4.16A	4.16A	4.16A	6.25A	6.25A
Efficiency	84%	85%	85%	91%	86%



DC power

MIL Power Input

- Connector : 3-pin lockable MS3470W8-33P for AC or DC power
- AC power : adaptor with auto-sensing 85 to 264VAC, 50 / 60Hz
- DC power : selection of 12V, 24V, 48V, 125V, or 250V



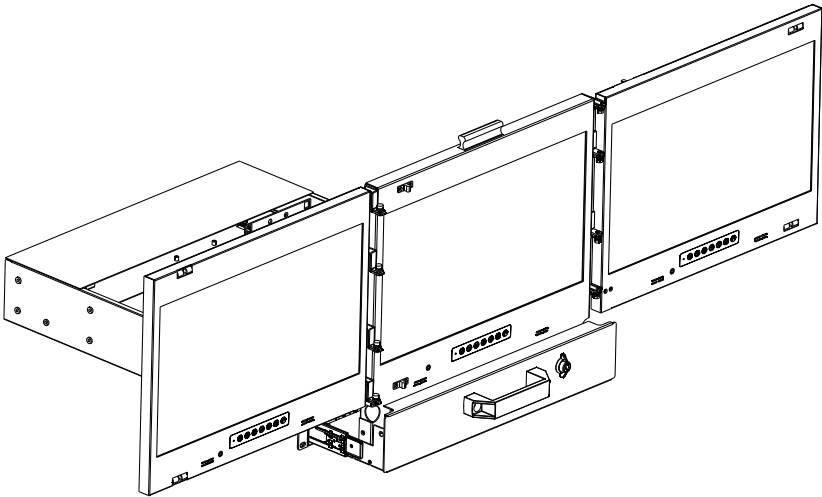
Capacitive Touch screen Option

	MRP-K17	MRP-F17	MRP-X17
Technology	Projected Capacitive		
Touch Point	10 point touch standard		
Input Type	Finger or Capacitive Stylus		
Resolution	4096 x 4096		
Touch Point Accuracy	± 2 mm		
Response Speed	< 5 ms		
Activation Force	< 5 g		
Surface Hardness	6H		
Light Transmission	> 85%		
Haze	3%↓		
Durability	50 million touches		
Top Layer	1.8 mm Glass		
Bottom Layer	0.7 mm Sensor Glass		
Thickness	2.7 mm ± 0.1 mm		
Connector	USB		
Compatibility	Windows 7 / XP / Linux / Mac		

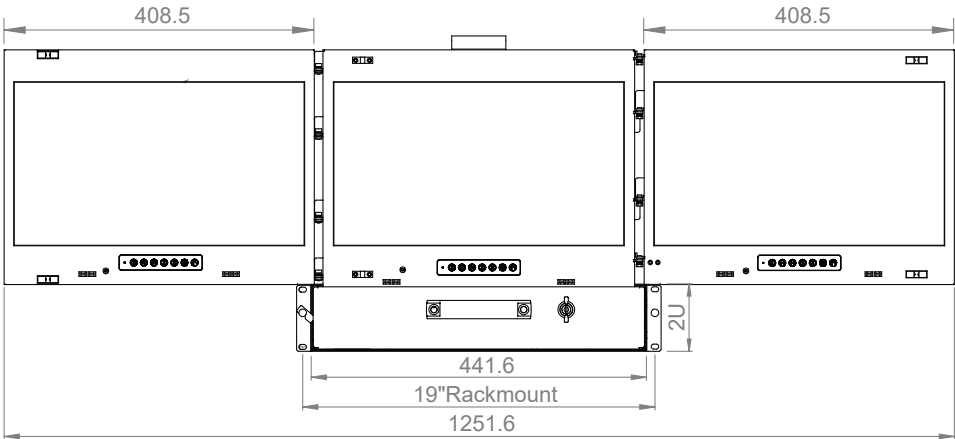
Resistive Touch screen Option

	MRP-K17	MRP-F17	MRP-X17	MRP-19
Technology	5-Wire Resistive			
Touch Point	Single			
Input Type	Finger or Stylus			
Resolution	2048 x 2048			
Response Speed	15 ms			
Activation Force	≤ 50 g			
Surface Hardness	3H			
Light Transmission	80% ± 3%			
Haze	8% ± 3%			
Durability	10 million touches			
Top Layer	ITO Film			
Bottom Layer	ITO Glass			
Thickness	3.2 ± 0.2 mm	2.2 ± 0.2 mm	3.2 ± 0.2 mm	2.2 ± 0.2 mm
Connector	USB Type A			
Compatibility	Windows 7 / XP / Linux / Mac			

Triple screens

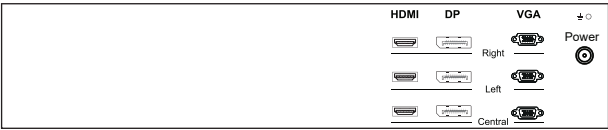


Front View



Rear View

MRP-K17 / F17 / X17 / 19



Side View

