



MRD-18D

MILPER's MRD-18D, is a High Performance, Ruggedized Color LCD Monitor based on advanced color TFT technology. The MRD-18D designed specifically for military tactical field and strategic applications.

The standard MRD-18D operates from 20 - 30 VDC power source. While in the stowed position it's dimensions of only 2U high x 17" wide x 22" deep, the MRD-18D is ideally suited for sheltered, airborne or naval applications requiring space saving in rack mount options..

Technical Specification

LCD Panel

Screen Size 45.9 / "18.1cm diagonal
Horizontal Pitch 0.280x0.280 mm
LCD Panel Type TFT Active Matrix
1280x (R.G.B.) x 1024 R.G.B. vertical stripe Non glare hard coated
Effective Display Area 359 x 287.2 mm (18")

Video

Video dot rate 135MHz.
Input Impedance
-Video
-Sync
750hm
2K Ohm
Input signal level 700mVpp
Sync input signal Separate sync, Composite sync, Sync on green.
Sync polarity Positive and negative



Features

- "18 Color LCD Monitor with excellent display performance.
- Analog video interface
- EXPAND Function For full screen display in
- 640x480, 800x600 1024x768 and 1280x1024 modes.
- Wide Viewing Angle.160o
- Dot Pitch 0.28 x 0.28 mm
- Space Saving in 19" Rack Drawer.
- DC & AC Power Input

Milper Ltd.

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Optical Characteristics @ 25 oC

Contrast ratio 250typical
 Brightness 200nits (typ(.
 Viewing angle at contrast ratio > 5:1 Up 80o
 down 80o
 left 80o
 right 80o

Resolution and preset modes

Maximum resolution 1024

15factory preset modes

H. freq. V. freq.

| | | |
|-----------|------|------|
| 640x 350 | 31.5 | 70 |
| 720x 400 | 31.5 | 70 |
| 640x 480 | 31.5 | 60 |
| 640x 480 | 35.0 | 67 |
| 640x 480 | 37.5 | 75 |
| 800x 600 | 35.2 | 56 |
| 800x 600 | 37.9 | 60 |
| 800x 600 | 46.9 | 75 |
| 832x 624 | 49.7 | 75 |
| 1024x 768 | 48.4 | 60 |
| 1024x 768 | 60.0 | 75 |
| 1152x870 | 69.0 | 75 |
| 1152x900 | 80.0 | 75.0 |
| 1280x1024 | 63.9 | 60.0 |
| 1280x1024 | 80.0 | 75.0 |

Plug and play compatibility

Display data channel DDC 1/2B (VESA(

Microsoft , Windows, 95/98 compatible.

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* Subject to validation testing. Subject to change at any time. Documentation available upon request.

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| The system is designed to meet the following conditions | | |
|---|--------------------|--|
| Temperature | Operating | -10 - +50 oC |
| | Intermittent | -20 - +65 oC |
| Humidity | Operating/Storage | MIL-STD-810C |
| | Method 507.1 Proc. | 95% HR (non-condensation) |
| Vibrations | Hard Mount | MIL-STD-810D, Method 514.3, Category 1,4,6&9 |
| Shock | Operating | MIL-STD-810D, Method 516.4, Proc. I, -15g 11ms. Saw Tooth |
| EMI/RFI | | MIL-STD-461D |
| Drip Proof | | MIL-STD-810E |
| Altitude | Operating | 15,000 ft. |
| | Non-Operating | 40,000 ft. |
| Physical Characteristics | Size | Stowed - 3.5" H x 17" W x 22" D Extracted - " H x 17" W x 1.75: D |
| | Weight | 10 Kg. |
| | Power | 20 - 30 VDC or 90-230 VAC 50/60 Hz (Dual input DC & AC Optional) |

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