Industrial rackmount LCD monitor

RM LCD Specification

The **RM LCD** monitors are rugged industrial flat panel monitors engineered as a panel, wall or rack mountable display for use in harsh and space constraint environment. The RM product series are available in 5 sizes from a **12.1" to 20.1"** LCD to accommodate different requirement. These LCD are housed in a ruggedized enclosure and protected by a 2mm impact resistance glass.

Advanced Video Conversion Board

Every RM LCD monitor has an advanced smart image-processing board built inside the enclosure. The smart-chip on this board allows the RM digital LCD monitors to interface with standard analog VGA video signal. Therefore making the RM monitors compatible with almost all computers, workstations and servers. The smart-chip has built-in gamma correction, brightness, contrast, hue and saturation control; a versatile support, HDCP decription logic, auto image positioning, input format detection, and compatibility with all DVI-compliant (optional) signal sources.

Selections of Display

The RM series offers an affordable 12.1" display in a 5U panel to a large 20.1" high performance high-resolution display in an 8U panel. These displays are sealed and protected by a 2mm glass against occasional impact, splashes, oil and dust. A four button LCD controls are located in the front panel allowing users to fine tune the LCD to the desired brightness, V-Size, H-Size and resolution.

Features:

- **Heavy-duty aluminum chassis**
- **2mm impact resistance glass**
- **Panel, wall and rack mountable**
- **LCD size available from 12.1" to 20.1"**
- **LCD resolution available from 800x600 to 1600x1200**
- **Interface and auto-sync with standard analog VGA**
- **Compact enclosure with 2.5" to 3.5" rear depth**

General Specification

MODEL	RM-TS12	RM-TX15	RM-SX15	RM-SX19	RM-UX20
Enclosure	5U	7U		8U	
Wieght	18 LBS	22 LBS		25 LBS	
Dimensions	19"x8.74"x2.53"	19"x12.37"x3.52"		19"x14"x 3.52"	
AC Input	AC 85 ~ 264V Auto Range				
Input Freqency	47 - 63 / 4447 - 63 / 440NzOHz			47 ~63Hz	

LCD Specification

MODEL	RM-TS12	RM-TX15	RM-SX15	RM-SX19	RM-UX20
LCD Size/Type	12.1"/TFT	15"/TFT	15.4"/TFT	19"/TFT	20.1"TFT
Active Area	246 x 184mm	304 x 228mm	305 x 244mm	376 x 301mm	408 x 306mm
Resolutions	800x600	1024x768	1280x1024	1280x1024	1600X1200
Viewing Angle	UD:30 LR:45	UD:40 LR:60	UD:50 LR:70	UD:85 LR:85	UD:85 LR:85
LCD Colors	262K	16M	16M	16M	16M
Luminance	100 cd/m2	400 cd/m2	240 cd/m2	250 cd/m2	250 cd/m2
Contrast	150:1	400:1	250:1	700:1	700:1

Video Input

MODEL	RM-TS12	RM-TX15	RM-SX15	RM-SX19	RM-UX20
Input Signal	Analog RGB				
V Sync	50 ~ 75Hz				
H Sync	30 ~ 48Khz	30 ~ 64Khz	30 ~ 80Khz	24 ~ 80Khz	

Environment

MODEL	RM-TS12	RM-TX15	RM-SX15	RM-SX19	RM-UX20
Temperature	Operating: 5° ~ 40°C / Storage: -20° ~ 60°C				
Humidity	30 ~ 85%				
Oper. Altitude	0 ~ 3,000m or 10,000ft				

5U (RM-TS12)   7U (RM-TX15, SX15)   8U (RM-SX19, UX20)

92.7mm [3.7"]

47.5mm [1.9"]

482.6mm [19.0"]

465.9mm [18.4"]

353.6mm [13.9"]

19",20" LCD DISPLAY

101.6mm [4.0"]

279.4mm [11.0"]

DVI

VGA

449.6mm [17.7"]
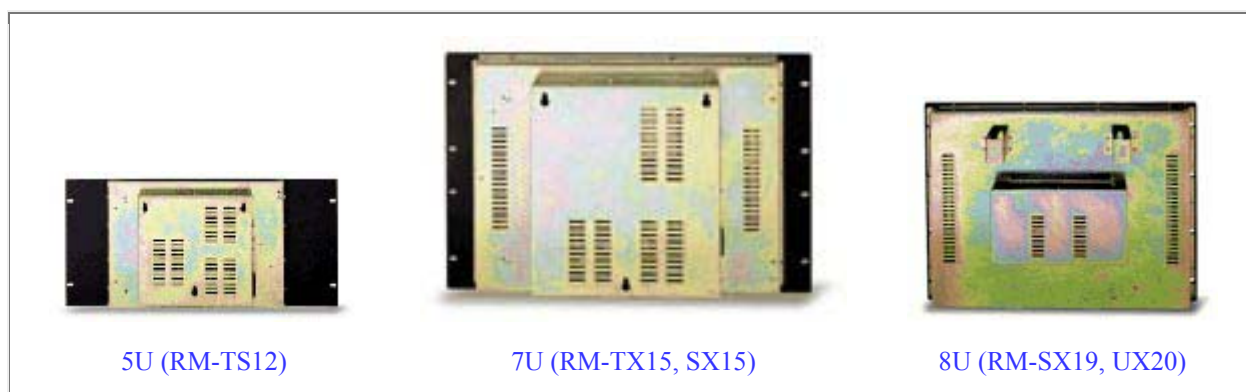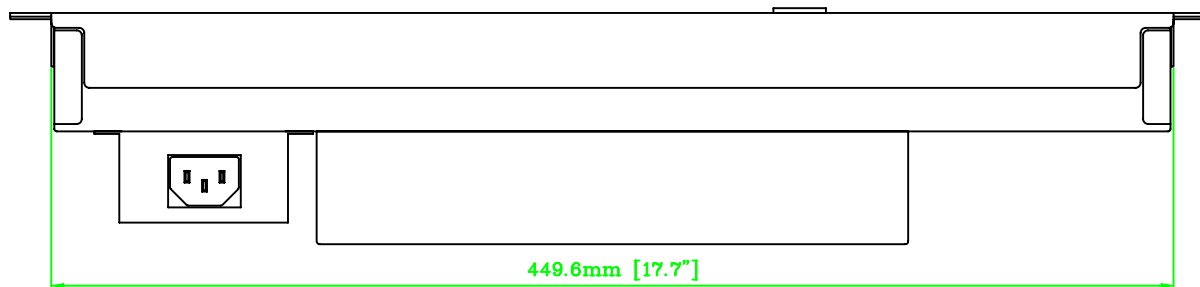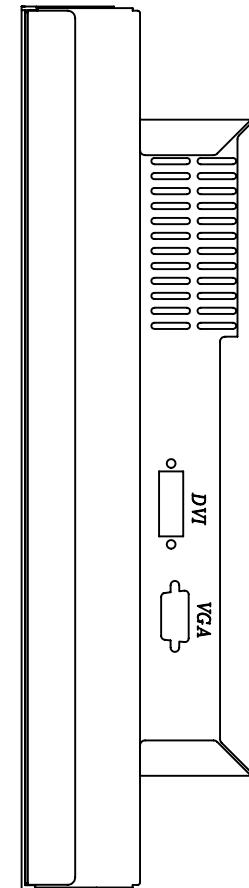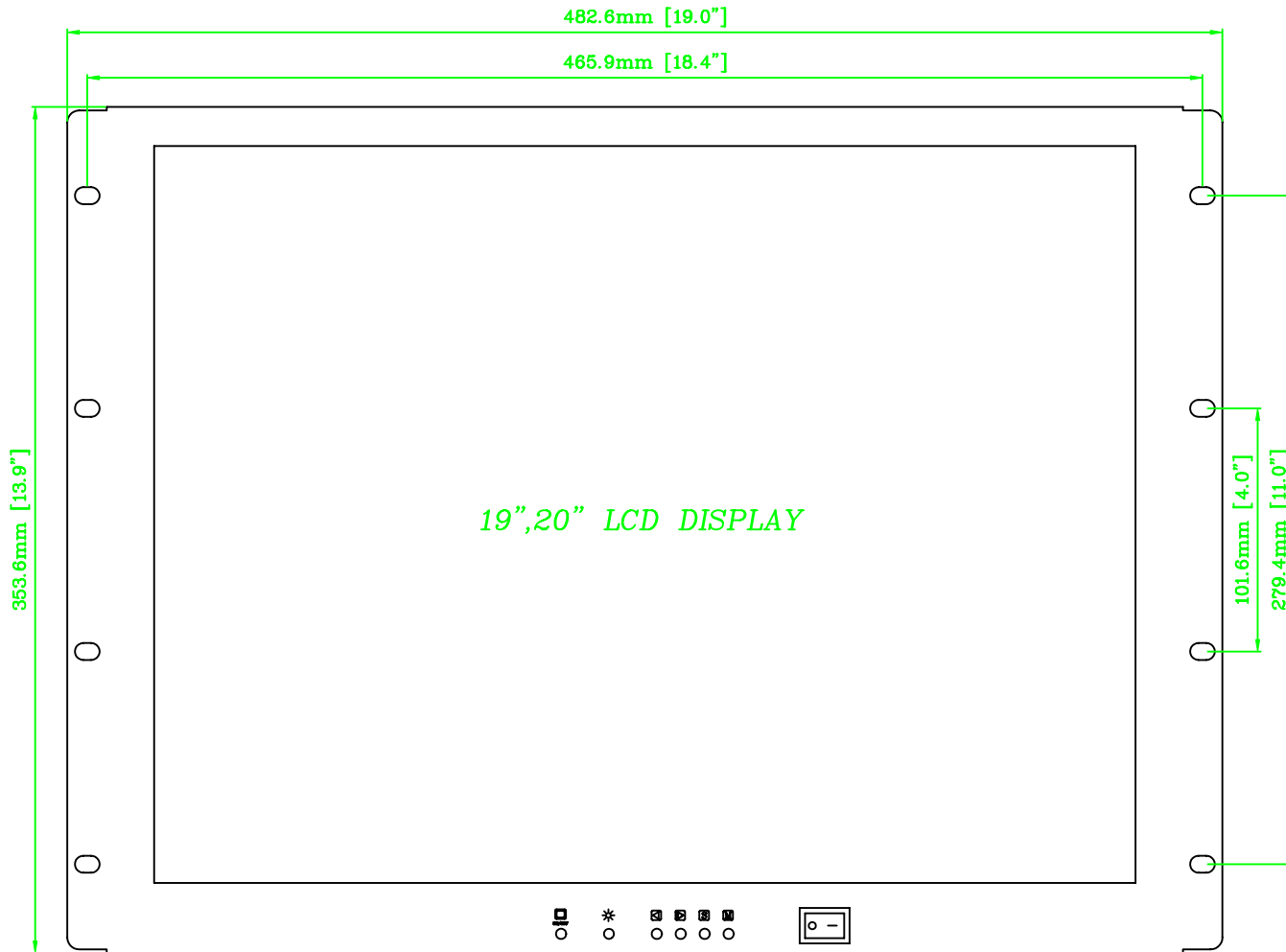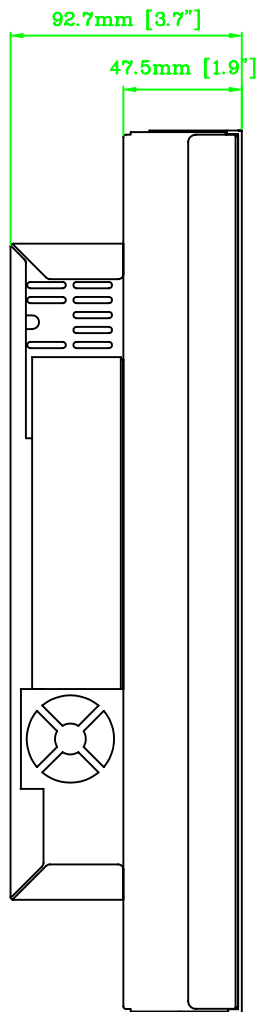
8U Rackmount Monitor

| Model | RM-SX19 |
| | RM-UX20 |