TMM2501
TRENTON 2U DUAL RACKMOUNT LCD MONITOR DRAWER

Trenton TMM2501 Dual LCD Monitor Drawer
Factory-configured with two, NVIS 19" LCDs

FEATURES

• **Dual 19" LCD monitors in a 2U rackmount display drawer**
• **Dual NVIS (Night Vision Imaging Systems) displays**
• **Secure monitor mounting and stabilization features enable a wide range of viewing positions and secure display storage**
• **Multi-monitor display drawer saves valuable space in system installation**
• **High contrast ratios and wide viewing angles deliver superior display performance**
• **Rugged all aluminum enclosure construction designed for light weight system requirements**
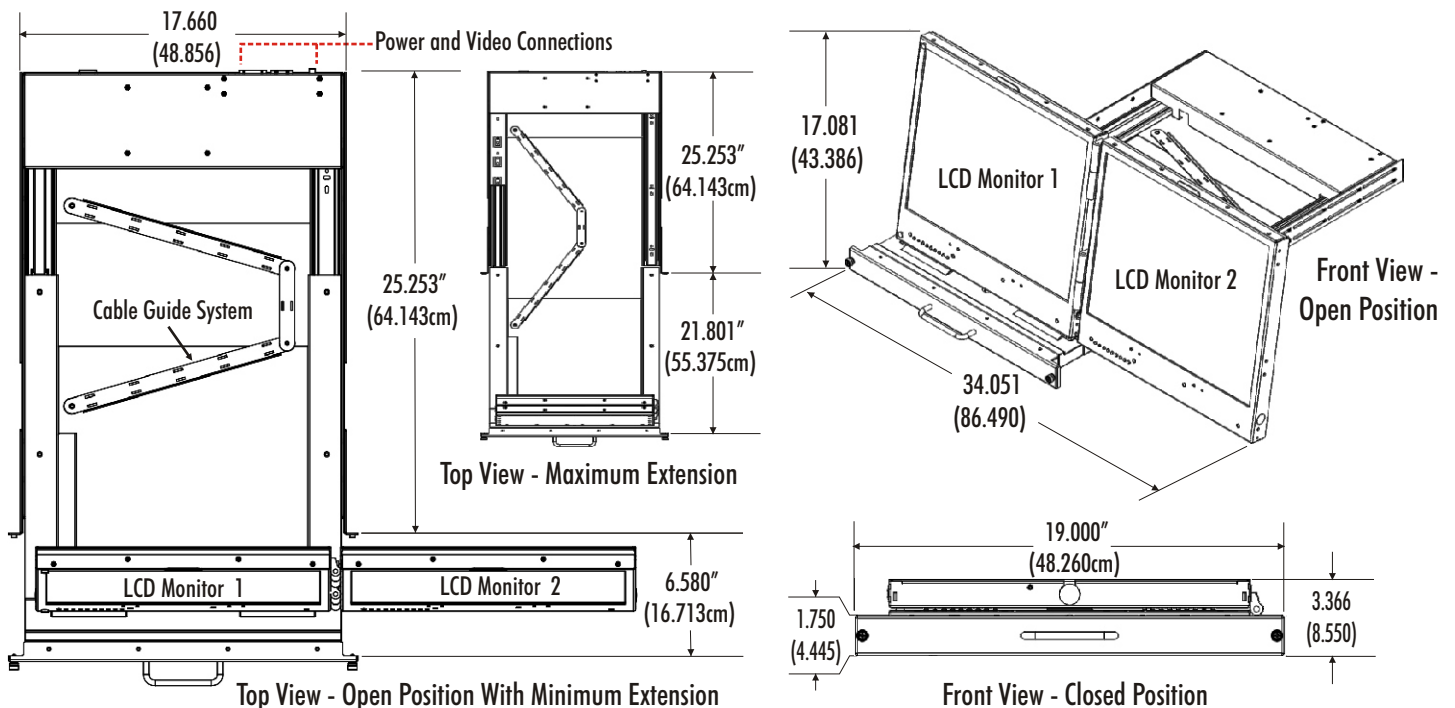
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TMM2501 OVERVIEW:

The Trenton TMM2501 delivers high-performance, dual-LCD monitor capability while only taking up two rackmount height units. The dual 19" high-performance displays featured in the Trenton TMM2501 features a special backlighting system that enables the displays to be used in NVIS or Night Vision Imaging Systems common in many different military system installations. Only 3.5"(8.9cm) of 19"component height is needed by the TMM2501 and this rackmount dual-display monitor drawer fits inside component racks with depth dimensions ranging from 26" - 36" (66cm - 91cm). Additional mounting options are available for mounting the TMM2501 in transit cases, flight packs and other mobile installations.

The LCD displays featured in the TMM2500 measure 19" on the diagonal and use the active matrix thin-film transistor (TFT) display technology. The displays feature wide viewing angles that enable easy monitor reading over a wide range of display positions. The monitors support display resolutions up to 1280 x 1024 pixels (SXGA) with high contrast ratios of 1000:1.

TMM2501 MECHANICAL LAYOUT:

TRENTON LCD MONITOR: TMM2501

SYSTEM MODEL	DESCRIPTION
TMM2501	Dual 2U rackmount monitor drawer features two, 19" LCD monitors with NVIS backlighting, high contrast ratios and native SXGA resolutions

TECHNICAL SPECIFICATIONS:

MODEL NAME	TMM2501
DESCRIPTION	Dual 2U rackmount monitor drawer with toe 19" LCD monitors with high contrast ratios and native SXGA screen resolutions
MONITOR SIZE	Each monitor has a 19" diagonal, 1.616"depth includes the monitor frame
MONITOR TYPE	Each monitor features a TFT Active Matrix LCD with NVIS backlighting to enable display usage in night vision imaging system applications
MONITOR ASPECT RATIO	4:3 (each monitor)
MONITOR RESOLUTION	1280 x 1024, SXGA with a color depth of 16 million colors (each monitor)
MONITOR BRIGHTNESS	1000 NITS cd/m2 with a contrast ratio of 1000:1 and each monitor has a response time of 8ms GTG (typical) / 20ms typical for on/off operations
MONITOR PIXEL PITCH	0.294mm x 0.294mm (H x W)
MONITOR VIEWING ANGLE	89° Left of vertical center and 89° Right of vertical (178° total),89° Up over horizontal center and 89° Down from horizontal center (178° total)
SURFACE GLASS TREATMENT	Hard-coating (3H), non-glare treatment
TOUCHSCREEN	Optional resistive touchscreen available upon request
VIDEO CONNECTORS	2 - D-15 RGB (VGA) connector standard with optional DVI-D support is featured with the monitor's built-in VO53 video controller card
POWER MANAGEMENT	EPA energy star, VESA compliance
POWER SUPPLY	+12V DC low-power operation with IP67 power connector, external supply +12V to 14.5 DC output range (typical)
TEMPERATURE	0° to 50° C. Operating and -20° to 60° C. Non-operating
HUMIDITY	5% to 90% RH Operating and Non-operating (non-condensing)
SLIDE RAILS	Pre-integrated ball-bearing slides with cable management guides
MONITOR HINGE	2 — Heavy-duty torque hinges support up to 60 lbs. (27.24 kg)
DIMENSIONS	19.0" / 48.3cm (W) x 3.37" / 8.56cm (H) x 25.25" / 64.14cm (D), designed for mounting in 26" - 36" (66.04 cm - 91.44cm) deep racks
NET WEIGHT	32 lbs. (14.53 Kg)

Trenton Systems also offers complete rackmount computer system manufacturing and integration services using a variety of standard and customer supplied operating systems and application software packages. Various Microsoft®, Linux and RTOS operating systems can be loaded on to your Trenton Systems computer hardware by our highly skilled factory technicians. Other system integration services include loading and testing of industry standard or COTS option cards as well as custom designed boards.

Standard industry certifications and approvals for your specific rackmount computer system configuration are also available from Trenton Systems.

NOTES:
1. The monitor / keyboard tray photos are shown for illustrative purposes only.

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