

VD-1607 Digital Video Distributor

LVDS, TTL Supported Expansion Unit

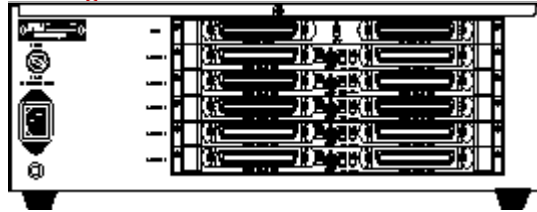
VD-1607 is digital video distributor that distributes digital video signals for 1 line sent from a VG series model signal generator of Astro or a computer to up to 10 lines in the 1/1 clock mode while up to 5 lines in the 1/2 clock mode. For inputs or outputs, serial (LVDS) or parallel (TTL) can be selected, while these can be mixed for outputs. This unit is particularly useful for the development, inspection, etc. of LCDs and flat panels.

· Features

- An input/output board suitable for the application can be selected and configured by user.
- TTL or LVDS mixed output is possible, enabling two types of signals to be distributed by a single unit.
- Input/output boards can be expanded and replaced later.



· Background view



SPECIFICATIONS

Input specifications	TTL input (Input board: VD-470)	LVDS input (Input board: VD-471)
Dot clock	5 to 75 MHz	20 to 70 MHz
Input signals	8-bit for each of R, G, B, and HS, VS, DISP, CLK, HD, VD, SW0, SW1	8-bit for each of R, G, B, and HS, VS, DISP, CLK, HD, VD, SW0, SW1 (Distribution to HD, VD, SW0 and SW1 is not possible in the 1/1 clock mode.)
Other input signals	Clock polarity: Negative 1/1 or 1/2 clock mode: Selection by the switch	1/1 or 1/2 clock mode: Selection by the switch
Output specifications	TTL output (Output board: VD-472)	LVDS output (Output board: VD-4773)
Dot clock	Depending on the input board (however, within the range of 5 to 75 MHz)	Depending on the output board (however, within the range of 20 to 70 MHz)
Output signals	Depending on the input board	Depending on the output board (however, distribution to HD, VD, SW0 and SW1 is not possible in the 1/1 clock mode.)
Clock delay	Max. 32 ns/1 ns step (selectable using a rotary switch)	Not selectable
Clock polarity	Selectable using a slide switch	Not selectable
Max. No. of distributions	1/1 clock mode:Max. 10 1/2 clock mode:Max.5 output boards are installed)	
I/O common specifications		
Connector	57 series 50-pin (VG-825, -826A, -827 pin-compatible)	MDR226-pin receptacle supplied by 3M
Signal level	TTL (Output: 3.3/5V Changeover by switch [Input: auto])	LVDS (FPD LINK (TM) compatible)
General specification		
Voltage	AC100 to 240V	
Operating temperature range	5 to 40°C	
Operating humidity range	30 to 80 %RH (no condensation)	
Dimensions	430(W) x 149(H) x 350(D) mm (excluding projected parts)	
Weight	Approx. 11 kg(varies according to output boards installed)	