

DBM-D9PM-DVITC

COMBINED UNDER MONITOR DISPLAY TEXT, TALLY AND DVITC TIME CODE

Dual Display with Text, Tally lights and DVITC time code reader from SDI digital Video

CROSSPOINT manufactures several models of Display for installation on TV monitoring panels. **DBM-D9PM-DVITC** is an Under Monitor Display to be mounted in TV Broadcast installations where it is necessary to identify the origin or destination of TV signal, indicate TALLY conditions as well as display of the **DVITC time code** accompanying a SDI digital video signal.

The **DBM-D9PM-DVITC** model combine, in a single unit, the following features:

- **Single text message display**
- **Dual independent TALLY lights**
- **DVITC reader and display from a SDI input signal**
- **SDI output signal, equalized and reclocked**
- **RS-485 network remote control capability**



TEXT & TALLY. Left window follows the normal operation of any Dynamic UMD. Text display is clear and auto-centered. Brightness level is user-programmable from 1 to 100, which allows adapting the brightness level to the actual lighting of the room. The indication of active Tally situation is performed by large LED lamps which not only highlight text brightness to a level –also programmable–, but give a very clear indication of the signal “on the air”. This type of Tally indication is so bright that monitors without Tally lights can be used, again reducing expenses, since usually this type of monitor has a markedly lower price. You will also save in cable and connectors, as there is no need to link up each Display to its associated video monitor.

DVITC Time Code. Right window shows DVITC time code extracted from a SDI digital input video signal. It allows three modes of TC presentation:

- Time code in “hh:mm:ss”
- Time code in “hh:mm:ss:ff”
- User bits

This information is decoded from two video lines (user-configurable) of the SDI video vertical interval.

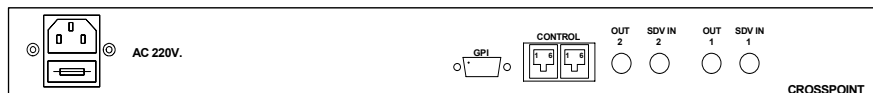
This model provides a SDI output copy signal, fully equalized and reclocked.

CONTROL. Their functions can be controlled with the push-buttons located on their front panel or via RS485 serial port.

Using CROSSPOINT’s HUB-DSP controller, it is possible to modify texts on the displays quickly –in less than 10 seconds— without the intervention of specially trained operators. It also allows to configure (depending on the options) the remote conveying of Tally to the displays, their mapping from the keyboard, delivering time signal, relay-mapped tally output (for CCU, ...), dynamic following of routing switchers’ status, reception of tally in serial format or saving user’s set-ups protected by password and easily restored.

This unit is power supplied directly from the 230 VAC mains. (110VAC optionally).

Rear view



SPECIFICATIONS:

Model:	DBM-D9PM-DVITC
Text window:	10 matrix with 5x7 LED each, 17 mm height.
Brightness:	Two levels (normal and Tally), adjustable in 99 steps.
Memory:	Store 8 messages plus internal parameters and user setups.
TALLY:	Two TALLY lamps (red and green). When tally lights up, text brightness is highlighted.
Input video:	SDI Digital video(SMPTE 259M) with DVITC time code (SMPTE 266M).
Output video:	SDI Digital video(SMPTE 259M) copy fully equalized and relocked.
DVITC:	Extracted from 2 VBI lines (programmable from line 6 to line 22)
Modes of TC presentation:	Time code in "hh:mm:ss" Time code in "hh:mm:ss:ff" User bits
Control of Tallies:	Over GPI or RS485 network.
Communications:	RS485 port for multi-drop serial communication, 9600 baud, 8 bit data, 1 stop bit with no parity. CROSSPOINT protocol. Other protocols available using the CROSSPOINT HUB-DSP controller.
Connectors:	RS-485: 2 x RJ-11 looped. GPI/O: Sub-D 9 pin male. Open collector, 100mA max. per output. Closed circuit to common ground for input. Video: 2 x BNC.
Power Supply:	230 VAC, 50 Hz. (Optionally 110 VAC, 60Hz)
Max. Consumption:	12 VA.
Size:	Width, 19". Height, 42 mm (1RU). Depth, 120 mm(without connectors).
Weight:	2,4 Kg.

(Specifications subject to change without prior notice)

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