

# HUB-DSPv3

## UMD/TALLY/Multiviewer system controller

**Integrating different brands across the workflow of a monitoring control room has been our specialty at CROSSPOINT** for many years. HUB-DSPv3, the third generation of our successful controller, is the core of the dynamic UMD's system, sending names and tally information from your router and production switcher to all UMDs, no matter if they are integrated into an inexpensive quad-split LCD, are managed by a huge powerful multiviewer system, are connected in a RS485 party-line or are part of a hybrid solution composed by all of them. A number of available options make this integration possible.

The HUB-DSPv3 model combines - in a single 1RU unit - these key features:

- > Ethernet-based or serial communication to the attached devices.
- > Easy configuration via web page or GUSYC tool (Ethernet).
- > Advanced TALLY management.
- > Optional IN/OUT serial ports, for Router/Mixer/Multiviewers interface.
- > Optional IN/OUT Parallel TALLY ports.
- > RS-485 network remote control capability for UMD's.
- > Upgradable and configurable via web page.
- > Redundant Power Supply as a standard.



The HUB-DSPv3 controller has a powerful Tally management with one triple built-in 1024x1024 tally matrix which follows the video level accordingly. By using GUSYC (Graphic UMD System Configurator), a PC software tool included, the user easily configures the entire UMD system, store and recall system configurations.

The HUB3-ROUTER option provides a fully dynamic mode of operation where the names on UMD's change, following the crosspoint activity of your Routing Switcher. Routers up to 1024x1024 are supported. For a complete list of supported router protocols, please see the specifications.

Joystick Override control can be optionally included together with each HUB3-Router option. The HUB3-MIXER option allows most common video mixers send serial TALLY to the controller.

For a complete list of supported vision mixers, please see the specifications.

The 64-TALLY-IN option allows to receive up to 64 closed contacts from your Video Mixer. Optionally it's feasible to expand the original 64 tally inputs by adding Tally Extender units to reach a total of 256 tally inputs (Each Extender unit provides up to 64 new tally inputs).

The 64-TALLY-OUT option allows 64 optical solid state relay closing circuits, which is useful if you need to send Tally indication to your cameras, for example. The same Tally Extender unit mentioned before can be used for expanding the number of Tally Outputs up to 256.

The HUB3-MULTIVIEWER option allows to send names and Tally information to one or more Multi-image Display Processors using Ethernet link.



## Specifications

**Model:** HUB-DSPv3

**TALLY processing:** Triple internal TALLY matrix (i.e. red, green and yellow levels), following video routing up to 1024x1024.

**Configuration:** Web page and GUSYC configuration tool via Ethernet.

**Firmware Updates:** Via web page.

**Communications:** Party-line for CROSSPOINT protocol, dynamic Under Monitor Displays UMD. RS485 port for multi-drop serial communication, 9600 baud, 8 bit data, 1 stop bit with no parity  
TSL serial protocol (v3.1) and TSL Ethernet (v5.0).

**Options:**

- HUB3-ROUTER, Serial/ETH port and software to communicate with a Router.
- HUB3-MIXER, Serial/ETH port and software to communicate with a Mixer.
- HUB3-MULTIVIEWER, Serial/ETH port and software to communicate with a Multiviewer system.
- 64-TALLY-IN, 64 inputs by closure to GND, non-isolated.
- 64-TALLY-OUT, 64 outputs by solid state relay.
- 64-TALLY-EXT, 64 input/output extender unit.

**Routing switcher protocols available:**

- Sierra Video Systems
- SW-P-08 Probel (GV Sirius, Vega and Mediornet)
- Esswitch (GV-Jupiter)
- Utah
- Pesa
- Quartz
- Network
- Leitch Pass Through (Imagine)
- Nvision (Enterprise and Compact)

**Mixer and multiviewers:**

- Sony
- Ross
- MPK (Thomson, GV Kayak)
- TSL 3.1 & TSL 5.0 (GV Kahuna, GV Kula, Panasonic)
- GVG Ethernet Tally (GV K-Frame)
- Fora
- EVS

**Power Supply:** Universal 100 - 240 VAC, 47 to 63Hz (Redundant).

**Max. Consumption:** 20 VA.

**Size:** Width, 19". Height, 42 mm (1RU). Depth, 180 mm. (without connectors).

**Weight:** 3,0 Kg.

**Operating temperature:** 0 to 40 °C.

(Specifications subject to change without prior notice)

(Names of Products and Firms are the property of the companies concerned)

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