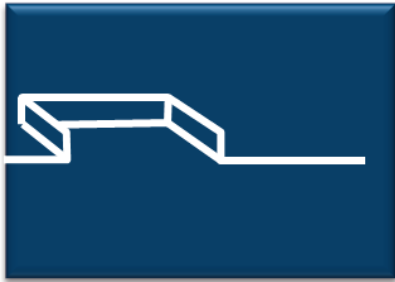


MicroVideo

HD1U Frames and Control



Each HD1U frame includes single or dual power supplies, network control module, and PC monitoring software.

It works in conjunction with the Series 300 platform audio video processing engine to provide a wide range of broadcast applications such as changeover, data insertions, decoding and bridging, detection & protection, audio processing, multiplexing/de-multiplexing, signal processing, frame synchronisation, audio and video delay, audio shuffling and mixing, with additional modules to give distribution, audio conversion and latching relays.

HD1U signal processing platform and its function modules combine a flexible signal processing system which can meet the demands of the demanding broadcast applications.

HD1U frames feature compact structure and well-designed layout. All the function modules support front plug-ins and are hot-swappable. Each module has its own rear panel. This design not only provides convenience for easy system installation, maintenance and upgrading, but also allows any mix of formats in a single frame.

All the modules are powered by front plug-in power supply units offering optional redundant power (HD1U-20). The front panel is equipped with four variable speed fans for air circulation. The 1U frame can hold up to 6 Series 300 modules including Ethernet module and dual power supplies.

An RS-422 serial port is provided as well as a TCP/IP network interface creating a powerful network monitoring system. Three GPI/O interfaces per Series 300 card are provided for control and alarm with a further 10 GPI/O per card provided by the optional GPI10 add-on board. A frame reference input is also provided.

The operating status, parameters setting and I/O status of the modules can be monitored, managed and controlled by the network control module used in any HD1U platform via a simple web interface. The Ethernet module provides functions, such as frame status management, module centralized control with SNMP available free of charge on many modules.

With the increase of module types and the strength of functions the Series 300 and HD1U give a complete broadcast system in a single frame.

Features

- ⇒ Front loading, hot-swappable modules
- ⇒ Modules with independent rear panels, allows any mix of formats in a single frame
- ⇒ Dual redundant power + 6 Series 300 modules in a single frame
- ⇒ Network control module for controlling and monitoring the function modules
- ⇒ REF sync input is routed individually to each module via BUS
- ⇒ Each Series 300 module can be control by a simple web interface which also provides frame status monitoring and management.

Specification

Mechanical

Width	19"(483mm)
Height	1U (44mm)

Electrical

Input Voltage	100-240VAC
Power	100W

Environmental

Operating Temperature	0° - 50° C
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Interface Specification

RS422 and GPI/O

Connector	44 Way D-Type
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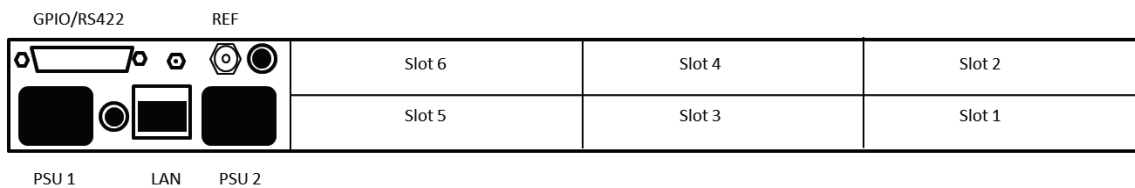
TCPIP

Connector	JRJ-45
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Referance

Signal	Normal SD syncs, Tri-level or black burst
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Rear connections



GPIO Pin Assignment

