

Hydra

Universal Multi Video Insertion Unit



As control centers continue to become larger and more complex, a growing number of signals from a variety of sources need to be controlled. Barco's Hydra gives unique possibilities to control up to 60 analog or digital inputs on one single display simultaneously. Hydra is operated via a standard webbrowser and features advanced warnings and alarms. One single PC can control numerous networked units that jointly display hundreds of signals.

High-end graphical control unit

- displays up to 60 analog or digital inputs
- video input combines composite, YC, SDI video (SECAM, NTSC, PAL) and HD-SDI video in 4:3 and 16:9 aspect ratio
- RGB input combines analog and digital RGB data (up to SXGA) and RGB component video (up to HDRGB progressive)
- can scale all images up to the full output resolution ranging from SVGA up to UXGA/HD (1920 x 1080)
- features unlimited picture-in-picture
- supports embedded audio for all SDI and HD-SDI video channels and 112 external audio channels; real-time in-picture audio metering incorporates Chromatec technology
- features integrated warning and alarm handling, GPIO connectors for external control, display of computer data, clocks, animated logos, counters, source identifications
- universal streaming video decoding card

Fully integrated – yet flexible – solution

- ensures full control over each windowing position, size and content of the sources displayed
- is controlled via a GUI that runs in a standard web-browser
- allows to configure, store, retrieve and switch layouts
- connects to any display device currently available e.g. CRT monitors, flat screens, rear projection modules, plasma displays etc. in 4:3 and 16:9 aspect ratio
- communicates and exchanges information towards network management systems via SNMP traps
- integrates with Barco's control room solutions TransForm series of controllers and most common routing switchers, control devices, and other external devices over the LAN or

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Technical specifications

Dimensions	<ul style="list-style-type: none">• 19" industrial case, height in rack units: 6U• Width case: 435 mm 17.13"• Width with fixation: 482 mm 18.98"• Depth case: 562 mm 22.13"• Depth handles: 35 mm 1.38"• Height: 267 mm 10.51"
Power supply	<ul style="list-style-type: none">• Number of power supplies: 4 (hot-swap, redundant)• Number of power leads: 2• Power supply: 100-240 VAC, 47-63 Hz
Number of slots for in and output boards	16
Heat dissipation	1800 BTU
Weight	26 kg 57.3 lbs
Power consumption	550 W
Inputs	All input units have full decoding, scaling, filtering and scan conversion capabilities on board and perform these tasks independently from the other boards in the system.