

BrightEye NXT 410-H Clean HDMI + HDCP Router with Up/Down/Cross Conversion



- **Cleanly Switch HDCP Encrypted Content**
- **Up/Down/Cross Converter Built In**
- **Router for 3G, HD and SD SDI and HDMI Video**
- **Dissolve and Cut Transitions**
- **Direct Take Mode**
- **Salvo Registers – Save/Recall from your Tablet and Computer**
- **System Wide Configuration Registers**
- **Flexible I/O – You Configure BNCs and SFPs as Inputs or Outputs**
- **Clean Switching of Video and Embedded Audio**
- **Audio Level Adjustments**
- **RS-232 and TCP/IP Interfaces – Use with any 3rd Party Device**
- **Front Panel and Web-Based Control**
- **LCD Display with Realtime Full Motion Video of Your Sources**
- **Safe Driving Mode**
- **Built-in Test Signal Generators**
- **Compact and Rugged**
- **Genlockable and Timeable**
- **5-Year Warranty and Free Software Upgrades Forever**

Cleanly Switch HDCP Content

The BrightEye NXT 410-H Clean HDMI + HDCP Router provides clean and quiet switching of HDCP encrypted content to its HDMI output along side SDI and non-encrypted HDMI sources. The BrightEye NXT 410-H lets you dissolve or cut between HDMI sources such as cameras or disk players, traditional SDI sources and HDCP encrypted devices for output to an HDMI display or projector. The router's built-in frame syncs ensure an instantaneous, clean switch or dissolve between every source without flashing or unexpected black displays, even with completely asynchronous sources.

Non-HDCP encrypted HDMI and SDI sources can be routed to SDI destinations independently and simultaneously. HDCP encrypted sources cannot be routed to SDI destinations.

Use Encrypted and Non-Encrypted HDMI Along Side SDI Sources

The ability to use HDMI sources and SDI sources along side one another is perfect for live applications in remote trucks and news vehicles. Devices such as set top boxes and Blu-ray players can be switched and mixed with SDI devices and HDMI cameras to the HDMI output seamlessly and instantaneously.

Convert While You Route

The new BrightEye NXT410-H Compact Router with U/D/C and Clean and Quiet Switching allows format conversion to take place while routing signals to destinations. Now, various formats of high definition and standard definition content can be converted to a common format and routed seamlessly to destinations. Standard definition sources can be up converted to high definition as part of the routing process, as well as cross converting from one HD format to another. All you have to do is select a SMPTE standard to output to a particular destination, and all sources routed to that destination will be converted to the format.

Control From Anywhere

The unique web-browser user interface allows control and set-up from virtually anywhere via any web browser enabled device, while front panel controls allow complete configuration and control of the router without the use of a computer. In addition, they can be externally controlled through either TCP/IP or DB9 connector under automation control.

Router Salvos for Multi-Destination Simultaneous Routing

Use salvo memory registers to execute several routes simultaneously. Eight separate salvo registers can be created and then triggered with any web browser enabled device.

Integrate HDMI and SDI I/O

With both HDMI and SDI inputs and outputs, the NXT 410-H makes it easy to integrate and switch signals from all types of equipment, regardless of the video format. Cameras with HDMI outputs can be used directly alongside SDI sources, and seamlessly routed to either HDMI or SDI outputs. The SFP (small format pluggable) cage can be populated with dual SFPs that have fiber optic or other connectors, allowing you to determine the best connector for your installation. Adding **SFPs** gives you true flexibility in combining electrical BNC, HDMI and fiber optic inputs and outputs.

Control From Third Party Devices

BrightEye NXTs can be controlled from third party devices using serial protocols via TCP/IP, RS-232 and SNMP. If RS-232 control is desired, please specify at time of purchase and your unit will come with the connector cable pre-installed. Field installation after the fact is not supported.