WyreStorm.

Specification Sheet

NETWORK HD

Audio Output

Audio Input

Microphone Input

Contact closure and feedback LEDs for button panel control

RS-232 ports for connected device control

LAN port for H.264 IP streamed output, control & incoming Screenlink™ content

4 HDMI inputs

VGA input

HDMI Output

NETWORK HD TOUCH SCREENLINK HDMI HDCP

WyreStorm - Because the Technology Matters.

Introduction

The NHD-SW-0501 offers the same compact, high performance switching and scaling of multiple HDMI and VGA sources as its HDBaseT sibling, but as part of the WyreStorm NetworkHD™ AV over IP family it instead features an H.264 streamed IP output to enable access to the switcher and its connected sources from any network-connected display location.

With simple, flexible, integration-friendly control options including front panel, built in Web UI, contact closure panels, and RS-232 or IP control systems, the NHD-SW-0501 offers an HDMI output for local connection to display devices or a H.264 streamed IP output for transmission over distance through a network switch to compatible WyreStorm 100 & 200 series H.264 decoders (sold separately).

Key Features

- Features four HDMI inputs and one VGA input to one HDMI output and one IP streaming output
- Compatible with all NetworkHD 100 and 200 Series H.264 components
- ScreenLink screen mirroring software for Windows/Mac. Visit the ScreenLink page to learn more
- Local mirrored HDMI output and IP streamed output with transmission distance up to 100m/328ft to compatible NetworkHD decoders
- Features fast, seamless switching between HDMI and VGA inputs with QuickSync technology
- Supports input resolution up to 1920x1200@60Hz
- Auto-scaler outputs the most suitable resolution for connected devices from 640x480@60Hz to 1920x1200@60Hz based on the display device EDID as well as different fixed resolutions for selections
- Unit remembers the connected sequences of each input - follows the Last-In-First-Out rule, always outputting the most recently connected active source
- Single microphone input with phantom power supporting dynamic or condenser mics

- 1x stereo audio input (assignable) and 1x auto mix stereo audio output
- Features audio embedding and de-embedding - VGA source embedded with corresponding stereo audio for A/V input with audio extracted from A/V output when switching
- Multiple control methods: front panel buttons for source selection, I/O control device such as a panel switch for source selection, LAN (Telnet & Web GUI) for device control and management and RS-232 for device control, debugging and power control
- Compatible with NetworkHD Touch for iPad control app
- LED OUT for additional connection to a desk-mounted or podium-located control panel for alternative I/O switching
- RS-232 output allows control of devices connected to the NHD-SW-0501 from any point within a NetworkHD AV over IP distribution deployment
- CEC compatibility to enable CEC-enabled devices such as TVs enter standby mode and return to their normal working state without user intervention - functionality also possible via rear panel RS-232

In the Box

1 x NHD-SW-0501 5x1 IP Streaming Presentation Switcher
1 x AC Power Cord
1 x 11-Pin Phoenix Connector
2 x 4-Pin Phoenix Connector

4 x 3-Pin Phoenix Connector
2 x Mounting brackets
1 x Quickstart guide

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Specifications

Audio and Video	
Inputs	4x HDMI: 19-pin type A | 1x VGA 15-pin DSUB15 VGA | 1x Audio In: 3-pin Phoenix Connector
Outputs	1x HDMI 19-pin type A | 1x Audio Out 3-pin Phoenix Connector 1x 8-pin RJ-45 female 10/100/1000 Mbps auto-negotiating
Output Video Encoding	H.264/MPEG-4 AVC
Encoding Data Rate	Up to 40 Mbps | Configurable
End to End Latency	Low Latency Mode: 60~90ms | High Latency Mode: 250~300ms
Audio Formats	2ch PCM

Video Resolutions (Max)	Resolution	VGA Distance	HDMI	Ethernet (Point to Point)
	1920x1080p @60Hz 16bit	7m/23ft	15m/49ft	100m/328ft

Supported Standards	DCI | RGB
Maximum Pixel Clock	150mHz

Communication and Control	
HDMI	HDMI 1.3 | HDCP 1.4 | DVI/D supported with adapter (not included)
Ethernet	1x 8-pin RJ-45 female - 10/100/1000 Mbps auto-negotiating
RS-232	1x RS-232 1 (Switcher Control) 3-pin Phoenix Connector | 1x RS-232 2 (Device Control) 3-pin Phoenix Connector
Hardwire Contacts	1x Contact In | 1x LED Out (Shared 11-pin Phoenix Connector)

Power	
Power Supply	Input: 100~240 VAC 50/60Hz
Max Power Consumption	16.6 W
Mic. Phantom Power	48V DC 100mA

Environmental	
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
Maximum BTU	54.59 BTU/hr

Dimensions and Weight	
Rack Units/Wall Box	1U
Height	45mm/1.77in
Width	225mm/8.85in
Depth	280mm/11.02in
Weight	2.3kg/5.07lbs

Regulatory	
Safety and Emission	CE | FCC | RoHS

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