

1T-SX-644

HDMI FAST Switcher



Key Features 1T-SX-644

- Fast switching of all inputs
- Supports all standard HDTV formats to 1080p
- Supports PC formats through WUXGA
- Operates at 2.25Gb/s
- HDMI 1.4, HDCP 1.4 & CEC1.4 compliant
- Supports Deep Color, 36/30/24 Bit, 1080p
- Provides 3D Television Support
- HDCP Repeater Support
- Supports Dolby® Digital TrueHD & DTS-HD
- Audio Return Channel Support (ARC)
- Control via Front Panel, Remote Control, RS-232
- OSD (On Screen Display)
- Intuitive Menu structure
- Fast, simple installation
- Locking DC Connector

1T-SX-644 HDMI v1.4 FAST Switcher with 3D / ARC allows selection of any of 4 inputs for display on an HDMI compliant display device. This version 1.4 HDMI device supports all standard High Definition Television formats, including 1080p. It also supports PC formats through WUXGA. It provides embedded HD-Audio capability, including Dolby® TrueHD and DTS-HD. The product is fully HDMI 1.4, HDCP 1.4 and CEC1.4 compliant and supports Deep Color 36/30/24 Bit, 1080p @50Hz plus it provides.3D Television Support. Audio Return Channel Support (ARC), Fast Switching of all inputs and operation as an HDCP Repeater is included. Control is via the Front Panel, an included, full-featured remote control which controls both the selection of inputs and also accesses an OSD (On Screen Display) for system control or via RS-232 commands. Installation is fast and operation is intuitive.

1T-SX-632, 1T-SX-634

HDMI Routing Switchers



Key Features 1T-SX-632, 1T-SX-634

- Switches two or four HDMI Sources
- Supports HDTV resolutions up to 1080p
- Supports SDTV 480i, 576i resolutions
- Supports PC resolutions up to 1920x1200
- HDMI v1.3, HDCP v1.1, DVI v1.0 Compliant
- Built in Enhancer for long cable runs
- Supports 10/12 bit Color Depth Displays
- Supports DDWG Standard for HDMI Monitors
- Supports embedded audio, including Dolby® Digital TrueHD and DTS-HD
- Controllable via Front Panel or IR Remote
- RS-232 Control Port Provided
- Single/Dual Rackmount Kit optional
- Locking DC Power Connector for Security

1T-SX-632 and 1T-SX-634 HDMI Routing Switchers are Version 1.3 compliant. The 1T-SX-632 switches between two inputs, the 1T-SX-634 switches up to four inputs. Both units maintain the signal components present within the encoded signal and allow the user to easily select program material without plugging and unplugging cables. Embedded audio, including Dolby® Digital TrueHD and DTS-HD is supported.

HDTV resolutions of 480p, 576p, 720p, 1080i and 1080p are supported, plus SDTV resolutions of 480i and 576i and PC resolutions up to 1920x1200. The units are fully DVI compatible. The switchers can be controlled via the front panel or with the included Infrared Remote Control. RS-232 control is provided as a standard feature.

Provisions are made for securing locking type HDMI cables. The units are housed in rugged metal cases and optional Single/Dual Rackmount Kits are available. They are 5VDC powered and a Power Adapter is included. The DC power connector is a locking type for security. For best performance at long distances, premium grade cables are recommended.

Routing Switchers

Distributor / Vertrieb:

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Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

1T-SX-644 Specifications

Supported Inputs

Input Format HDMI Version 1.4
 Input Signal Types HDMI (plus PC Video to WUXGA)

Supported Output

Output Format HDMI V1.4
 Output Signal Type High Definition Multimedia Interface

Signal Characteristics

Freq. Bandwidth 2.25Gbps (Single Link)
 Compliance HDMI 1.4, HDCP 1.4 & CEC1.4
 Color Depth Deep Color 36/30/24 Bit, 1080p
 Repeater Operation HDCP Repeater Support

Supported Audio

Embedded Audio Dolby® Digital TrueHD and DTS-HD
 Return Audio Support Audio Return Channel (ARC)

I/O Connections

Input Connector 4x Type A HDMI Female
 Output Connectors 1x Type A HDMI Female

Device Control

Front Panel Front Panel Buttons & OSD Menu
 IR Remote Remote Control w/OSD
 RS-232 Input Selection & System Control.

Environmental

Operating Temperature 0° to +40° C (+32° to +104° F)
 Operating Humidity 20% to 90%, Non-condensing
 Storage Temperature -10° to +60° C (+14° to +140° F)
 Storage Humidity 20% to 90%, Non-condensing

Warranty

Limited Warranty 3 Years Parts and Labor

Regulatory Approvals

Main Unit FCC, CE, RoHS
 Power Supply UL, CUL, CE, PSE, GS, RoHS

Mechanical

Dimensions-HxWxD 1.2"x7.9"x4" (30x200x102mm)
 Weight 1.3 lbs (592g)

Power Requirement

External Power Supply 100-240VAC to 5VDC/2A Adapter

Accessories Included

1x Power Adapter
 1x User Manual

Model Number

1T-SX-644 HDMI v1.4 Fast Switcher w/3D-ARC

1T-SX-632, 1T-SX-634 Specifications

Video Inputs

1T-SX-632 2x HDMI via Type A Connectors
 1T-SX-634 4x HDMI via Type A Connectors

Video Output

Both Models 1x HDMI via Type A Connector

Video Specifications

SDTV Resolutions 480i, 576i
 HDTV Resolutions 480p, 576p, 720p, 1080i, 1080p
 Bandwidth 2.25GHz
 Color Depth 30/36 bit
 Compliance HDMI V1.3, HDCP V1.1, DVI V1.0
 Signal Enhancement Switchable On/Off

Audio Specifications

Embedded per HDMI v1.3 standard
 HD-Audio including Dolby® TrueHD, DTS-HD

Maximum Cable Lengths

Source to DA Input Up to 15m (45') (Note 1)
 DA Output to Display Up to 15m (45') (Note 1)

Mechanical

Size (H-W-D) 1.2"x7.9"x3.5" (30x200x89mm)
 Weight (Net) 0.85 kg (1.9 lbs)

Remote Control

Serial Interface RS-232 via DB-9
 Infrared IR Remote Included

Environmental

Operating Temperature 0° to +50° C (+32° to 122° C)
 Operating Humidity 10% to 90%, Non-Condensing
 Storage Temperature 0° to +70° C (+32° to 158° C)
 Storage Humidity 10% to 90%, Non-Condensing

Warranty

Limited Warranty 3 Years Parts and Labor

Power Requirement

External Power Supply 5VDC@2A – Locking DC

Regulatory Approvals

Converter Unit FCC, CE, RoHS, HDMI ATC
 Power Supply UL, CUL, CE, PSE, GS, RoHS

Accessories Included

1x Power Adapter
 Operations Manual
 IR Remote Control Unit
 Locking Cable Kit Hex adapters for locking HDMI connectors

Product Item Number

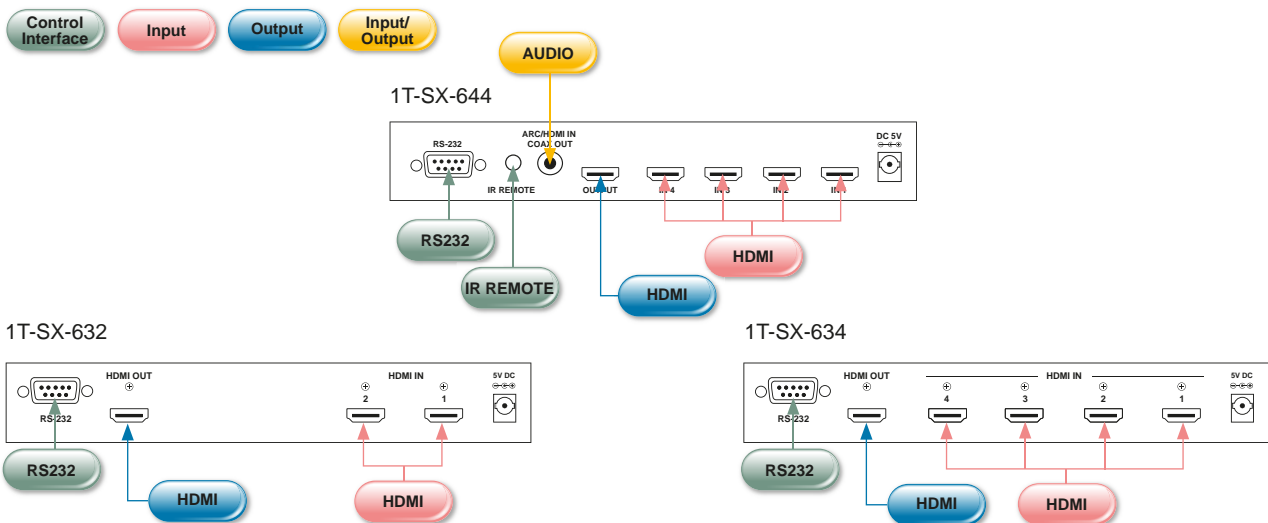
1T-SX-632 2x1 HDMI Routing Switcher
 1T-SX-634 4x1 HDMI Routing Switcher

Optional Accessory

Rackmount Kit RM-230 Single/Dual

Notes

(1) To achieve the max rated distance, use premium cables.



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