



Front View  
VSS-51 Switcher



Rear View  
VSS-51 Switcher



VSW-51R  
HDBaseT Video Receiver

## RTI Control System



## VSS-51

### 5 x 1 Multi Format HDBaseT Presentation Switcher

The VSS-51 is designed to process and switch audio and video signals in conference rooms, classrooms and control rooms. The compact scaler/switcher comes with five inputs and accepts a variety of input formats including HDMI, Display Port, VGA, Composite and Component Video and Microphone. VSS-51 combines truly seamless, glitch-free switching with advanced scaling for high quality presentations.

Up to 5 video sources can be switched to the mirrored HDMI and HDBaseT outputs for connection to local and remote displays. The HDBaseT output supports PoH and transmits full HD video up to 230ft (70m) to the included HDBaseT receiver VSW-51R.

The VSS-51 offers various control options including IR and RS-232 as well as a convenient front panel.

## Key Features

- High-definition, multi-format 5x1 presentation switcher.
- Includes VSW-51R HDBaseT Receiver.
- Built-in scaler upscales input resolution to up to 1920x1200 output resolution.
- Auto-switching, Quick Switch technology.
- HDMI output
- Mirrored HDBaseT output enables long-distance wiring over CAT cable.
- Supports HDBaseT 4-Play with transmission of video, audio, power (PoH) and control signals (IR / RS-232) over a single CAT cable.
- Provides signal switching of up to 5 video sources.
- Mirrored HDMI and HDBaseT output 230ft (70m) for Full HD video.
- Supports HDMI, Display Port and VGA sources.
- Balanced/unbalanced adjustable microphone input with 48V phantom power for condenser, dynamic or wireless microphones.
- Controllable via front control panel, Infrared, RS-232 or web interface.

# Specifications

## VSW-51 Presentation Switcher

Power Supply..... +24 VDC, 2.71A  
 Mounting..... Surface / wall mount or free standing  
 Dimensions WxHxD..... 8.66" (220mm) x 1.73" (44mm) x 2.85" (172.5mm)  
 Weight ..... 1.76lb (800g)  
 Operating Temperature..... C -10 to +40 degrees F +14 to +104 degrees  
 Operating Humidity..... 5% to 95% Non-condensing  
 Digital Video Input..... One HDMI/MHL, Two HDMI, One Display Port  
 Analog Video Input ..... One VGA, female 15-pin (VGA, YPbPr, Composite Video)  
 Video Output (mirrored)..... One HDMI,  
 ..... One HDBaseT with PoH (RJ45), 1920x1200≤229ft (70m)  
 Output resolution range..... 1920x1200, 1920x1080, 1600x1200, 1600x900,  
 ..... 1360x768, 1280x800, 1280x720, 1024x768  
 Compliance..... HDMI 1.4, HDCP 2.2  
 Audio Line Input..... Two Analog Stereo for VGA and Display Port (3.5mm jack)  
 Microphone Input..... One balanced/unbalanced (3-pin Phoenix Connector),  
 ..... Switchable Line / 48V Phantom Power  
 Audio Input Impedance..... >10kOhms  
 Audio Output..... One Dual-Mono Analog Audio(5-pin Phoenix Connector)  
 Audio Output Impedance..... 70 Ohms  
 Frequency Response..... 20Hz to 20KHz

Stereo Channel Separation..... >80dB @ 1kHz  
 Front Panel Control..... 6 Buttons, 1 Volume Knob, Bargraph and Status LED  
 IR Control of VSS-51 ..... One, 3.5mm jack (IR EYE), compatible with  
 ..... industry standard IR repeaters and receivers  
 RS-232 ..... One, Bi-directional (3-pin Phoenix) for VSS-51  
 ..... or remote device through HDBaseT  
 IR Control of local or remote device ..... One, 3.5mm jack (IR IN) to IR OUT or  
 ..... HDBaseT to IR OUT on HDBaseT Receiver  
 USB ..... Type-A for Firmware Update  
 Ethernet Port ..... One, 10/100Base-T (RJ45)  
 Warranty ..... Three Years (Parts & Labor)

## VSW-51R HDBaseT Receiver (included)

Power Supply..... via PoH (Power over HDBaseT)  
 Mounting..... Surface / wall mount or free standing  
 Input..... One HDBaseT with PoH (RJ45)  
 Output..... One HDMI  
 Compliance..... HDMI 1.4, HDCP 2.2  
 Control Ports..... One RS-232 Bi-directional (3-pin Phoenix)  
 ..... One IR in (3.5 mm jack), one IR out (3.5 mm jack)  
 Warranty ..... Three Years (Parts & Labor)  
 All features and specifications subject to change without notice

