

Front View



Rear View

HDMI / Analog Audio  
Input Card

HDMI / Analog Audio  
Output Card

HDBT 3-Play Input Card

HDBT 3-Play Output Card

VGA / Analog Audio  
Input Card

Microphone In/Out Card

## VFX-248

### 32 Card Modular Flexible Video Matrix Chassis, UHD 4K

The VFX-248 is a high-performance modular matrix switcher chassis providing 32 card slots that allow for flexible AV matrix combinations from 1 x 31 to 24 x 8. Twenty-four flexible card slots support single HDMI, HDBaseT, VGA, analog audio, and microphone input/output cards, while eight fixed slots support output signal cards.

The flexibility of VFX-248 makes it a highly customizable Audio/Video signal matrix switching & video scaling solution for any commercial multimedia application, such as conference rooms, control rooms, hotels, or shopping centers.

The VFX-248 enables cross-point switching from any input card to any output card and supports UHD 4K video. The HDBaseT outputs deliver HDMI video over a Cat5e/Cat6 cable to an VHR-1 HDBaseT receiver up to 130 feet (40 meters) away.

All signal input and output cards support plug & play and hot swapping. Every video or audio signal is transmitted and switched independently to decrease signal attenuation. The VFX-248 can be controlled via IR, RS-232, Ethernet or via front panel touch screen.

## Key Features

- Supports flexible audio/video matrix combination from 1 x 31 to up to 24 x 8.
- Twenty-four flexible card slots for input or output signal cards, and eight fixed slots for output signal cards.
- Input and output cards for HDMI, HDBaseT, VGA, analog audio and microphone available.
- Switching Speed <100ns
- HDCP 2.2 compliant, supporting up to HDMI 2.0
- Built-in scaling functionality allows for adjustable output video resolution up to 4K.
- Powerful EDID management.
- HDBaseT outputs transmit HDMI@1080p up to 230 feet (70m) over a Cat5e/6 cable (130ft/40m at 4K).
- Supports multiple control options, including front panel touch screen, RS-232 IR, and TCP/IP.
- LCD shows connection status, switching status, HDCP status, and output resolution.

# Specifications

## VFX-248 Chassis

AC Input Voltage ..... 100VAC or 240VAC (switchable), 26 Watts  
 Mounting..... Rack mount, 5 RU  
 Front Panel Control..... LCD Touchscreen  
 IR Control ..... Via IR Remote (included)  
 IR Control Port..... One, 3.5 mm jack (IR EYE), compatible with industry standard IR receivers  
 RS-232 Control Port..... One, Bi-directional, 3-pin Phoenix Connector  
 Ethernet Control Port ..... One, 10/100Base-T, RJ45 Connection  
 Card Slots..... 24 Input or Output, 8 Output  
 IR Port..... One, 3.5mm jack (IR ALL IN) for IR transmission via HDBT  
 Operating Temperature..... C -10 to +40 degrees F +14 to +104 degrees  
 Operating Humidity..... 5% to 95% Non-condensing  
 Dimensions WxHxD..... 19.0" (483mm) x 8.72" (221.5mm) x 15.08" (383mm)

## VFX-IHM HDMI Analog Audio Input Card

Video Input ..... One, HDMI  
 Compliance..... HDMI 1.4, HDCP 2.2  
 Resolution Range..... up to 4K@60Hz 4:2:0  
 Analog Audio Input ..... One, PCM, 3-pin Phoenix Stereo Connector

## VFX-OHM HDMI Analog Audio Output Card

Video Output..... One, HDMI  
 Compliance..... HDMI 1.4, HDCP 2.2  
 Output Resolution..... Auto, 4K@60Hz 4:2:0, 4K@30Hz, 1024x768@60Hz, 1920x1080p@60Hz, 1280x720@60Hz  
 Analog Audio Input ..... One, PCM, 3-pin Phoenix Stereo Connector

## VFX-IHT HDBaseT 4-Play Input Card

Video Input ..... One, HDBaseT (PoH) (RJ45)  
 Compliance..... HDMI 2.0, HDCP 2.2  
 Resolution Range..... up to 4K@60Hz 4:2:0  
 Analog Audio Input ..... One, PCM, 3-pin Phoenix Stereo Connector  
 Control Signal Input..... One, IR, 3.5mm jack  
 ..... One, RS-232, 3-pin Phoenix Connector  
 HDBaseT Transmission Distance ..... 1080P ≤ 230ft (70m), 4K ≤ 131ft (40m)

## VFX-OHT HDBaseT 4-Play Output Card

Video Output..... One, HDBaseT (PoH) (RJ45)  
 Compliance..... HDMI 2.0, HDCP 2.2  
 Output Resolution..... Auto, 4K@60Hz 4:2:0, 4K@30Hz, 1024x768@60Hz, 1920x1080p@60Hz, 1280x720@60Hz  
 Analog Audio Output ..... One, PCM, 3-pin Phoenix Stereo Connector  
 Control Signal Output ..... One, IR, 3.5mm jack  
 ..... One, RS-232, 3-pin Phoenix Connector  
 HDBaseT Transmission Distance ..... 1080P ≤ 230ft (70m), 4K ≤ 131ft (40m)

## VFX-IV4 VGA Analog Audio Input Card

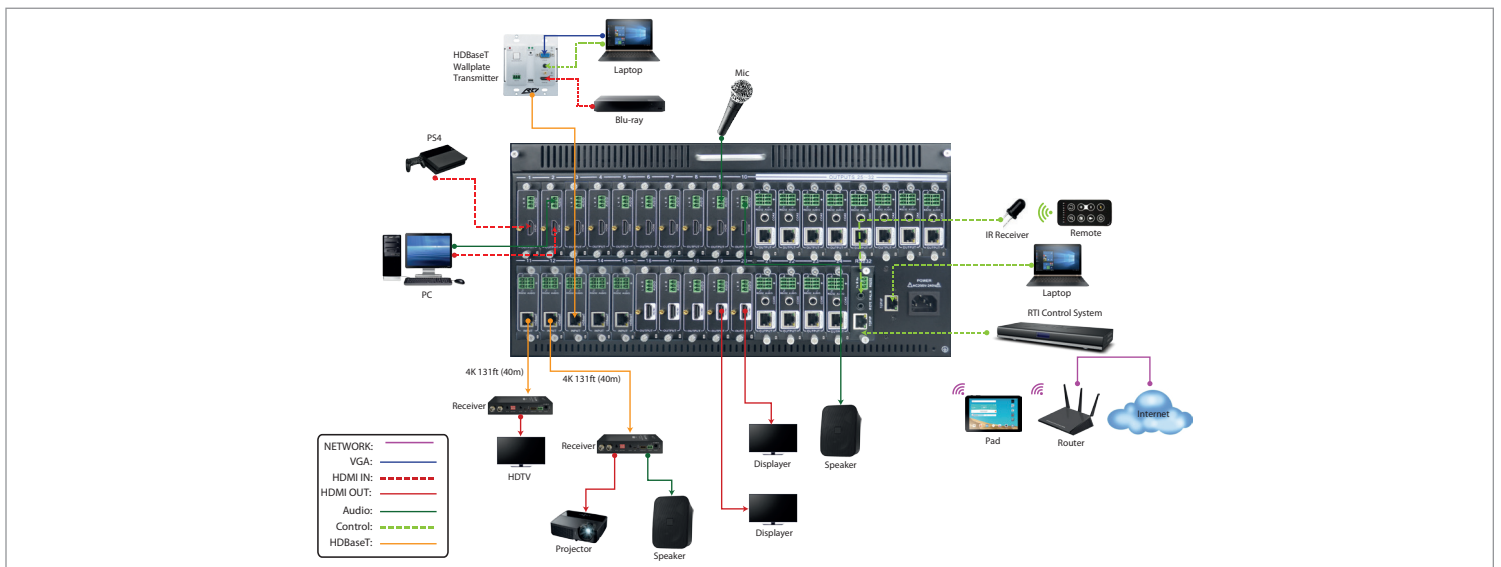
Video Input ..... One, VGA, female 15-pin HD  
 Resolution Range..... up to 1920x1200 @50/60Hz  
 Analog Audio Input ..... One, PCM, 3-pin Phoenix Stereo Connector  
 Frequency Response..... 20Hz to 20 kHz, ±0.5dB  
 CMRR..... >85dB@20Hz-20KHz

## VFX-OA1 Microphone/Line In/Out Card

Analog Audio Input ..... One, PCM, 3-pin Phoenix Stereo Connector  
 Analog Audio Output. Two (MIX/PGM OUT), PCM, 3-pin Phoenix Stereo Connector  
 Frequency Response..... 20Hz to 20 kHz, ±0.5dB  
 CMRR..... >85dB@20Hz-20KHz

Warranty ..... Three Years (Parts & Labor)

All features and specifications subject to change without notice



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