KanexPro®

Flexible 12 I/O Seamless Matrix Switcher

Advanced modular matrix with 12 flexible PCIe slots creating 11x1 to 1x11 combinations

MPN: FLEX-MMX12

The **KanexPro FLEX-MMX12** is a flexible and seamless modular matrix designed with twelve (12) adaptable PCIe slots for single VGA, DVI, HDMI, and HDBaseT™ input and output cards. These single cards can be randomly selected for input or output based on the AV configuration.

AV System designers can create a flexible AV matrix system based on project requirements ranging from 11x1,6x4,4x8, 8x4 to 1x11 and many other input and output combinations. With powerful EDID and HDCP management, this adaptable matrix supports seamless switching and scaling with independent routing of audio and video to compensate for any signal attenuation caused.

This flexible matrix can be controlled using RS-232, built-in GUI using ethernet port and IR. it can also be programmed to work with any third party control system.

Applications:

Ideally used in command and control centers, simulation centers, large AV conference rooms for seamless up-to-the second viewing of critical information on to several high resolution displays.

FEATURES

- Flexible Matrix Switcher with 12 PCIe input/output card slots
- Seamless AV switching
- Supports video resolutions up to 4K, 1080p & WUXGA
- VGA, DVI, SDI, HDMI & HDBaseT card compatibility
- Auto-sensing of input or output signals
- Built-in EDID management
- HDCP compliant

- Controllable via front panel buttons, IR, RS232 & TCP/IP
- Built-in web based GUI for quick access to control via network
- Adjustable output resolution
- Firmware upgrade via USB port
- 10 global presets
- Internal power supply (100Volt~240Volt AC, 50/60Hz)
- Backed by KanexPro 3-Year full parts & labor warranty

SPECIFICATIONS

Chassis:

Metal Frame with PCIe card slots

Card type: Thumbscrew based PCIe control connectors

Control:

1 x IR EYE

1 x RS232

1 x Ethernet Card Slot

12 x PCIe Slots

Control Connectors:

1 x 3.5mm mini jack

1 x 3-pin pluggable terminal block

1 x RJ45

General:

Video Standards: HDMI 1.4 & HDCP1.3

Resolution: 1080p (max)

Power Supply: 100-240V AC

Power Consumption: 181.5 watts

Operating Temperature: 0-50 C

Operating Temperature: 0° to +40° C (+32° to +104° F)

Storage Temperature -10° to +60° C (+14° to +140° F)

Operating Humidity 20% to 90%, Non-condensing

Reference Humidity: 10%-90%

Storage Humidity 20% to 90%, Non-condensing

Installation: Rack mountable

Power, ESD & Regulatory

International Power Supply: 110VAC ~ 240VAC, 50/60Hz

Power Consumption: 135 watts fully populated

ESD protection: 15kV

Regulatory: CE, FCC

Dimensions: (W x H x D) 19.0" x 3.4" x 15.0" (483x 88x 380mm)

Weight 11.45 Lbs. (5.2 kg)

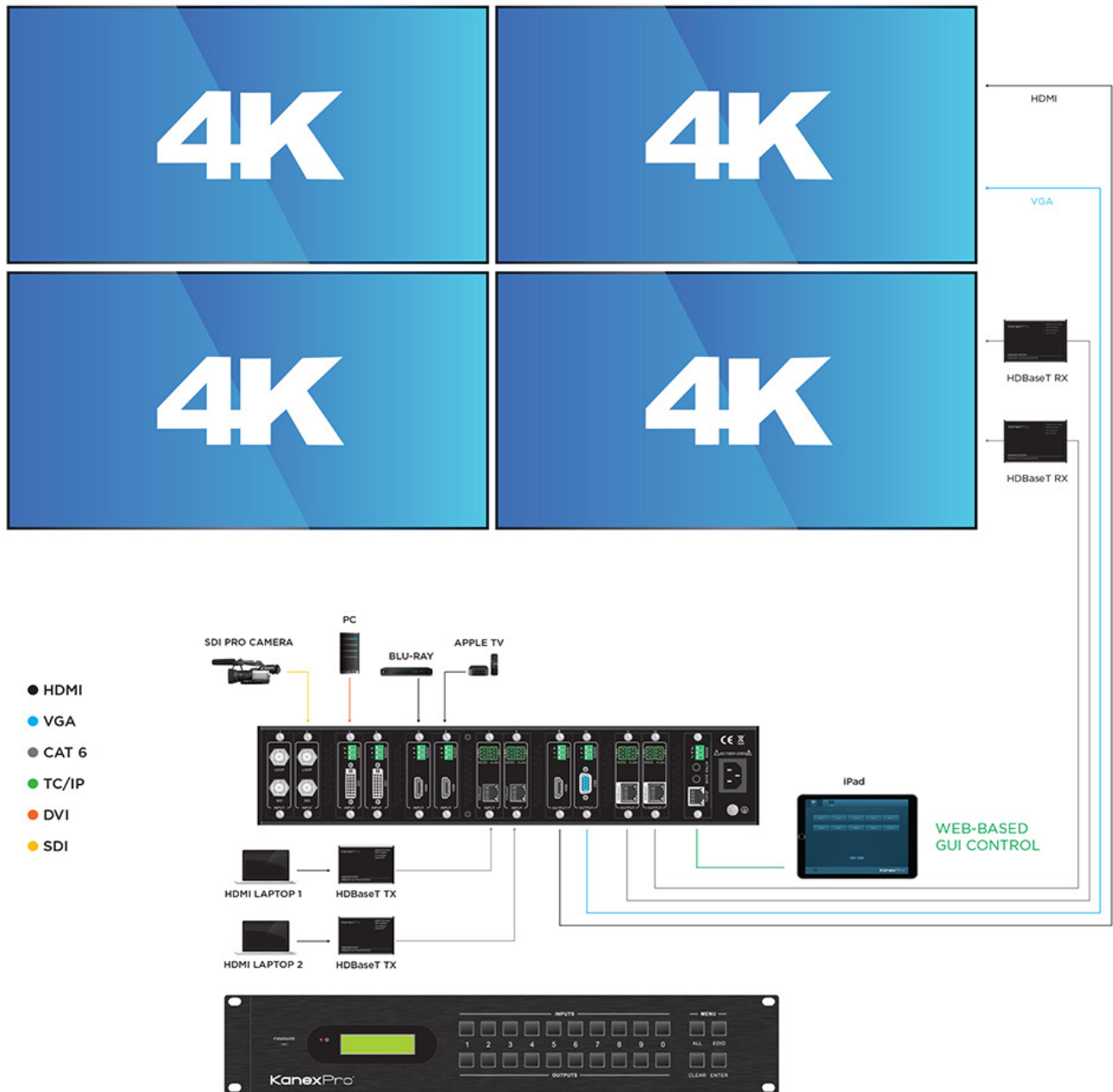Diagnostic Indicators: LCD output status & power LED

Warranty:

3-Year Parts & Labor

Note:

Cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches may affect distances and picture quality.

Application Diagram