

4x4 Scaler Matrix Processor with USB Capture Output



The DIDO X4 is the most advanced 4x4 scaler on the market. The input card slot provides 3 choices of cards depending on the application needs. These inputs can be routed to any of the four HDMI outputs with a quad scaler processor and advanced features. These features consist of contrast edge blending for side-by-side projectors, 1 degree image rotation for portrait and jigsaw puzzle mode videowalls, chroma keying for overlaying of sources on top of others, vector scope and pattern generation for signal integrity diagnosing, Seamless switching and windowing opens new possibilities and the bitmap OSD engine can enhance content on input and outputs. Another amazing feature is the built in USB 3.1 capture output for a PC making interfacing to Zoom Rooms, Teams, etc. even easier.

Control can be sent securely to the 1G Ethernet port. The RS-232 & IR ports allow for local device control of displays and other equipment.

Choice is important. That's why the DIDO X4 is the ultimate Unified Communication product on the market today.



Features

- Video Wall Capability, Image Rotation, Edge Blending, Chroma Keying
- Waveform Monitoring, Histogram, Vector scope Display & Built-in Pattern Generator
- Bitmap & Character Based OSD for Inputs and Output Channels
- Windowing/Multi-viewer
- Four HDMI Outputs with Independent Scaling
- Seamless Switching
- Audio DSP
- 10/100/1000Mbps LAN PoE+ (PD)
- Input Boards (4 HDMI, Multi-Input 1 USB Type-C, DisplayPort, 2 HDMI or 1 HDMI and 12G SDI)
- Line In/Out Stereo
- RS-232 Serial Port and IR (Bidirectional)
- Integrated Web Server for Custom Control Pages
- Dante®/AES67 IP 2Ch/8Ch Audio (Optional)
- ReAX IP Control Option
- Front Keypad with OLED Display
- Auto Sense Switching
- Rack and Under Table Mounting

Benefits

The DIDO X4 is many devices in one product providing not just the ultimate experience but the ultimate value.

Here is why:

1. Video Effects Processor (Contrast Edge Blending, Chroma Keying, Image Rotation, Bitmap OSD)
2. Windowing up to 4 sources locally to any of the 4 outputs
3. Videowall Processor with 1 Degree Image Rotation
4. Audio DSP with Dante
5. Diagnostic Tools (Vector Scope, Waveform Analyzer, Histogram, Pattern Generator)
6. USB 3.1 Capture Output for a Computer (Zoom Room, Teams, WebEx, etc.)

Three different input option cards for true flexibility.



ICS-H4 – Four HDMI Input Card



ICS-M1 – Multi-Input Card with 1 Type-C USB, 1 DisplayPort, & 2 HDMI



ICS-M2 – Multi-Input Card with 1 Type-C USB, 1 DisplayPort, 1 HDMI, & 1 12G SDI



RK7-1-K Optional 1RU Rack Mount

Technical Specifications

Model Name	DIDO X4
Technical	
Compression	Zero (4K30 4:4:4/4K60 4:2:0), 1.3:1(4K60 4:4:4)
Latency	Zero Frame Latency (100us without Scaling, 3ms with Scaling)
HDMI Inputs	Four HDMI 2.0
HDMI Outputs	Four HDMI 2.0
Audio Analog	Stereo Line In/Out
1G LAN	RJ-45 10/100/1000M PoE
USB	USB 3.1 Type B (4K30 4:4:4 Max Resolution)
Video Bandwidth	600MHz
Video support	Up to 4K2K 4:4:4 @60Hz
Audio support	Up to 32 channels & Break-away Capable
RS-232	Up to 115k Baud
IR	30KHz-60KHz
Expansion Ports	Dante®
Interface	IR or Keypad for OSD and OLED, Webserver
Scaler	
Bandwidth	4K60 4:4:4
Scaling Processors	Quad Scaler Processors
Effects	Image Rotation, Videowall, Windowing, OSD, Edge Blending, Chroma Keying
Pattern Generator	Color Bar, Moving Pattern, Hash, & More
Mechanical	
Housing	Black Aluminum Enclosure
Dimensions [L x W x H]	10.5" x 8" x 1.22"
Weight	4.0lbs
Mounting	Rack mount (optional) and included under table/wall mount
Power supply	25 Watts 48VDC or PoE+ (LAN)
Max Power consumption	15 Watts
Operation temperature	0~40°C [32~100°F]
Storage temperature	-20~60°C [-4~140°F]
Relative humidity	20~90% RH [no condensation]

Specifications subject to change without notice.