

QuickMatrix

Ref. QMX150



Eight-input hi-resolution seamless matrix scaler and 2 mirrored DVI / analog outputs



Flexibility and Versatile Connectivity

The **QuickMatrix** is a powerful hi-resolution true seamless matrix scaler featuring 8 seamless inputs and 14 input connectors (four HDMI, four DVI, two 3G-SDI and four universal analog). The **QuickMatrix** offers two independent program outputs with mirrored DVI and VGA connectors. It also supports advanced audio inputs and outputs functionalities.

Quality without Compromise

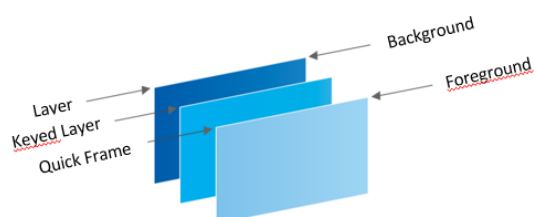
Based on the extremely reliable and cost-effective MIDRA™ platform, the **QuickMatrix** offers ultra-low latency image processing, uncompromising video quality, true seamless switching and advanced video effects for elegant AV presentations, which makes it an ideal solution for live events, fixed installations, houses of worship and educational facilities.

Smart functionalities

The **QuickMatrix** has been designed with innovative functionalities, including some advanced features inherited from the LiveCore™ series. Thanks to the new Quick Frame function, a foreground frame can quickly hide all other layers when necessary. To fit any display resolution, including non-standard formats like LED walls, the **QuickMatrix** manages custom output formats. Major new assets also include advanced management of audio to easily embed or de-embed digital audio on HDMI and DVI-D connectors, ensuring better processing and quality of the video and audio mix. For easy routing of audio signals, some functions such as Fast Routing and Audio Breakaway are available.

Powerful and Flexible Control Options

The **QuickMatrix** has been designed to be entirely operated from the easy-to-use front panel. Each MIDRA™ model can also be easily controlled using the intuitive drag & drop software user interface: the RCS². The **QuickMatrix** offers IP (Ethernet) control via a standard TCP/IP socket connection and an RS-232 serial interface supported by all major third-party control systems. Additionally, the **QuickMatrix** can be controlled by a comprehensive range of remote control panel options such as the **RK-350** keypad or the **Shot Box²**.



QuickMatrix at a glance

- ▶ Based on the Midra™ platform
- ▶ 8x2 seamless scaled matrix
- ▶ Heavy-duty design for incredible reliability
- ▶ High quality, ultra-low latency video processing
- ▶ Versatile Connectivity
- ▶ Advanced audio management
- ▶ User-friendly and intuitive graphic interface

	QVU150-3G	QMX150	PLS350-3G	SMX250	SPX450	EKS550
Operating modes	1	1	2	1	2	3
Inputs	8	8	8	10	10	10
Outputs	1 + 1 Preview	2	2	2	2	2
Video Output	1	0	1	1	1	1
Transitions & Effects	+	+	+	++	+	++
Live Layers (max)	1 + 1 keyed	1 + 1 keyed	2	2	3	4

KEY FEATURES

MIDRA™ platform: uncompromised processing and manufacturing quality

1 operating mode: Native Matrix

8 seamless inputs

Capability to switch between any input plugs (14 input plugs available)

2 outputs: Output#1 and Output#2

High performance video processing:

- Very fast seamless switching
- Ultra-low latency processing
- Chroma/Luma Key and Titling
- Resizable Live Background
- Ability to modify the Program in real time without using the Preview
- Custom output formats
- Advanced de-interlacing processing
- New freeze features (input/layer/screen)
- Transitions: Fade, Cut, Wipe, Slide

Advanced Audio Management:

- Embed/De-Embed audio on all plugs
- Breakaway Audio mode
- Top Layer mode
- Balanced Stereo audio on all outputs
- Fast Routing mode
- Delay compensation (manual up to 80ms or auto)

Quick Frame mode: Instantly display a stored frame above all layers

Internal test patterns: Select between 9 available test patterns

EDID Management: Management on 6 inputs; Ability to read & display outputs EDIDs

HDCP Compliant: Enable/Disable the HDCP (*if the display is not compliant, the output image could be disabled*)

Memories:

- 8 Memory Presets per output and up to 64 via RCS²
- 8 Full frames

RCS²: Remote Control Software for Windows and Mac

INPUTS

8 seamless inputs, 14 total input plugs

4 x DVI-D up to 2048x1152@60Hz

4 x HDMI up to 2048x1152@60Hz

4 x Universal Analog up to 2048x1152@60Hz

2 x 3G/HD/SD-SDI up to 2K@60Hz

OUTPUTS

2 outputs with 2 plugs per output

2 x DVI up to 2048x1152@60Hz

2 x Universal Analog up to 2048x1152@60Hz

AUDIO

5-pin MCO connectors: 4 for analog audio inputs and 2 for analog audio outputs

4 RCA connectors: 2 for S/PDIF audio inputs and 2 for S/PDIF audio outputs

Input:

DVI (as HDMI) / HDMI / SDI Audio de-embedded

4 x Audio stereo Analog (Balanced/Unbalanced)

2 x S/PDIF (AES-3id compatible)

Output:

DVI (as HDMI) Audio embedded

2 x Audio stereo Analog (Balanced/Unbalanced)

2 x S/PDIF (AES-3id compatible)

STANDARDS

SMPTE: ST 259:2008, ST 260:1999, ST 274:2008, ST 292-1:2012, ST 296:2012, ST 424:2012, ST 428-19:2010

VESA: GTF1.1, CVT 1.1, DMT1.0 rev.12

MATRIX MODE

Seamless switching on each output

1 live layer + 1 keyed layer (only available with RCS², RK-350 or Vertige™ controller) on each output

CONTROL

Full-featured Front Panel

RCS²: Remote Control Software with intuitive GUI

Orchestra²: Intuitive and ergonomic Controller

RK-350: Remote Keypad

SB80-2: Shot Box²

AMX/Creston drivers

OTHER FEATURES

DB9: RS232 for remote control

RJ45: Ethernet connection

Dimension (in Rack Units - RU)

- ▶ 2RU

Dimensions (without rack ears and rear rack mount)

- ▶ W 17.28" x H 3.46" x D 14.80"
- ▶ L 439.5 mm x H 88 mm x P 379 mm

Dimensions (with handles)

- ▶ W 19" x H 3.46" x D 15.79"
- ▶ L 482.1 mm x H 88 mm x P 404 mm

Weight without accessories

- ▶ 6.2 kg / 13.66 lbs

Shipping weight accessories included

- ▶ 8.7 kg / 19.18 lbs

Operating conditions

- ▶ Temperature: 0 to 40°C (32 to 104°F)
- ▶ Humidity: 10% to 80%, non-condensing

Thermal dissipation

- ▶ 239 BTU/hr

Noise (@1,6m height @25°C)

- ▶ Front: 39 DBa@1m
- ▶ Rear: 39 DBa@1m

Warranty

3-year warranty on parts and labor back to factory

Power Supply

- ▶ 100-240 VAC 50/60Hz 2,5A
- ▶ Fuse cartridge F4AH 250VAC 5x20mm
- ▶ Max consumption: 70 W

Safety Compliance

- ▶ IEC/UL/EN 60950-1, CSA22.2#60950-1, ETL Listed (US & Canada)

Supplied with

- ▶ 1 x Power supply cord
- ▶ 1 x Pair of front handles + screws
- ▶ 1 x Ethernet cross cable (for device control)
- ▶ 6 x MCO 5 pin connector
- ▶ 1 x Quick Start Guide including safety instructions*

 Specifications subject to change without prior notice

Distributor / Vertrieb:

VIDELCO Europe Limited – Professionelle Audio- Video- Medien-Technik

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

QMX150-EN-04/30/2018


VIDELCO
Europe Limited