

# QuickMatrixX - Ref. QMX150

8x2 true Seamless Matrix Scaler with Native Hi-Resolution outputs



## INPUT PLUGS



## OUTPUT #1



## OUTPUT #2



## FEATURES



### QuickMatrixX at a glance

- ▶ New **Midra™** platform
- ▶ New Remote Control Software: **RCS²** (Windows, Mac & Linux)
- ▶ Very fast processing and true Seamless switching
- ▶ Low frame delay
- ▶ Full audio digital compliant on DVI-D & HDMI Plugs
- ▶ Advanced Audio Management with the **RCS²**
- ▶ Quick Frame mode
- ▶ New EDID management on 6 inputs (12 plugs)
- ▶ Ability to read and display the output EDIDs
- ▶ New Deinterlacing processing
- ▶ Custom output formats
- ▶ Matrix mode - Basic version (Only Background)
- ▶ Asynchronous Seamless Scaled Matrix
- ▶ Independent management per output (Take Control)
- ▶ New Dynamic Fit
- ▶ Capability to switch between any input plug (14 plugs available)
- ▶ New 3D filter for SDTV composite sources
- ▶ Outputs fully resizable

### Key features

- 8 Seamless inputs
- 2 outputs (Output #1 and Output #2)
- 14 input plugs available (4 x DVI-D, 4 x HDMI, 4 x Universal Analog & 2 x 3G/HD/SD-SDI)
- Computer formats up to 2K/2048x1152
- Resizable Live Background
- Transitions: Fade (Dissolve), Cut, Wipe and Slide
- Dynamic layer (Moving from A to B) with Flying, Zooming or Cropping
- All audio inputs can be embedded or de-embedded on all plugs
- Audio breakaway mode
- Audio fast Routing mode
- Audio Delay Compensation
- Balanced stereo audio on all outputs
- 2 S/PDIF inputs and 2 S/PDIF outputs
- Internal test patterns
- Chroma/Luma Key and Titling
- 8 memory Presets (64 via RCS²)
- 8 frames
- HDCP Compliant

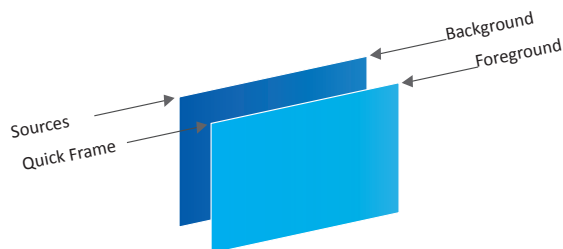
### Operating modes

- 1 operating mode: Native Matrix mode
- Seamless switching on each output
- 1 Title on Live Background on each output

### To Control QuickMatrixX

- ▶ **RCS²**: Remote Control Software\*
- ▶ **VRC300**: High-End Remote Controller Vertige (available in second semester 2014)
- ▶ **ORC50**: Remote Controller Orchestra (compatible first semester 2014)
- ▶ **RK-350**: Remote Keypad
- ▶ **Crestron's Modules: 2 or 3-Series\***
- ▶ **AMX's Modules\***

\*Available on [www.analogway.com](http://www.analogway.com)

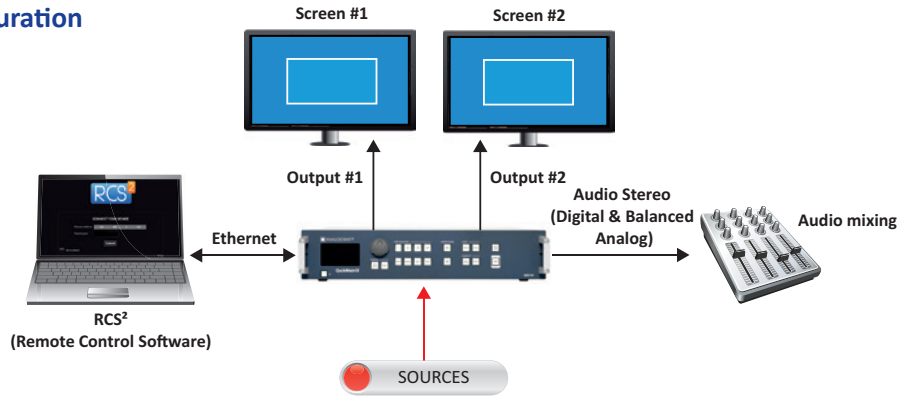


The Quick Frame feature instantly allows to display a stored Frame above all layers.



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## ► Native Matrix configuration



## Technical Specifications

### ► 8 inputs - 14 plugs

#### 4 Universal input plugs

##### Analog inputs (All inputs #1 to #4)

###### SD-TV

- Composite, S.Video, YUV, RGB or RGBS
- NTSC: 15.735kHz/60Hz
- PAL/SECAM: 15.625kHz/50Hz

###### ED/HD-TV

- RGB, RGBS or YUV
- 480p/60 Hz – 576p/50 Hz – 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60 Hz – 1080psF/24, 25 or 30 Hz

###### Computer

- RGBHV, RGBS or RGB
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Horizontal frequency from 31.5 to 130 kHz
- Vertical frequency up to 120 Hz
- FpxMax = 165MHz

### ► 10 Digital input plugs

- DVI-D (Input #1 to #4) (HDMI compliant): SD-TV, ED-TV, HD-TV and Computer formats
- HDMI (Input #3 to #6): SD-TV, ED-TV, HD-TV and Computer formats
- SDI (Input #7 to #8): SD-TV & HD-TV – YUV/10bits/4:2:2, 3G-SDI
- Automatic synchronization detection

### ► Output #1 & Output #2

##### Computer Digital and Analog:

- RGBHV, RGBS or RGB and DVI
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Vertical frequency 50, 60, 72 or 75 Hz depending on output format
- FpxMax = 165MHz

##### HD-TV:

- RGB, RGBS or YUV, DVI and HD-SDI, or 3G-SDI
- 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60Hz – 1080psF/24, 25 or 30 Hz

### ► Operation 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

### ► Audio Stereo inputs

- **DVI (as HDMI)/HDMI/Audio de-embedding:**
  - 1 stereo pair
- **Analog inputs:**
  - 4 Audio stereo inputs
  - Balanced/Unbalanced
  - Vi = +15dBu
  - Zi = 20 kOhms (Unbalanced)/40 kOhms (Balanced)
  - Adjustable Level per input
- **S/PDIF inputs:**
  - 2 inputs, AES3id compatible
  - Zi = 75 Ohms
  - Input Level Min: 200mVpp
  - Input Level Max: 2.8Vpp
  - Protocol: AES3 or S/PDIF sub-code format

### ► Audio Stereo outputs

- **DVI (as HDMI) Audio de-embedding:**
  - 1 stereo pair per output
- **Analog inputs:**
  - 2 independent outputs
  - Balanced/Unbalanced
  - Vo = +9 dBu/300 Ohms (Unbalanced)
  - Vo = +15 dBu/600 Ohms (Balanced)
- **S/PDIF inputs:**
  - 2 outputs, AES3id compatible
  - Zi = 75 Ohms
  - Output Level: 0.5Vpp(S/PDIF mode) or 1Vpp (AES3 mode)
  - Input Level Max: 2.8Vpp
  - Protocol: AES3 or S/PDIF sub-code format

### ► User Controls - front panel

- Standby On/Off
- Input direct access

- Freeze/Black
- Matrix mode output selection
- Preset and effect menu shortcuts
- Quick Frame, Take
- Large Graphic VFD screen with control knob and buttons for easy and fast access to menus and adjustments

### ► Connectors - rear panel

#### • Input #1 to #2 connectors:

- DVI-D Female: (Digital SD/ED/HD-TV and Computer)
- HD15-F (Analog SD/ED/HD-TV and Computer)

#### • Input #3 to #4 connectors:

- DVI-D Female: (Digital SD/ED/HD-TV and Computer)
- HD15-F (Analog SD/ED/HD-TV and Computer)
- HDMI Female: (Digital SD/ED/HD-TV and Computer)

#### • Input #5 to #6 connectors:

- HDMI Female: (Digital SD/ED/HD-TV and Computer)

#### • Input #7 to #8 connectors:

- BNC: (3G/HD/SD-SDI)

#### • Output #1 and Output #2 connectors:

- Each output is fitted with:
- DVI-I Female: (Digital and Analog) RGB or YUV
- HD15 Female: RGB or YUV

#### • 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

#### • Miscellaneous:

- DB9: RS232 for remote control
- RJ45: Ethernet connection
- AC main connector with fuse and On/Off switch

### Dimensions:

- D 15.75" x W 17.3" x H 3.46"
- D 400 mm x W 440 mm x H 88 mm

### Weight:

- 6,3 kg
- 13.9 lbs

### Power Supply:

100-240 VAC ; 2.5A ; 50/60Hz ; 110W

### Supplied with:

- 1 x Power Supply Cord
- 1 x Ethernet crossover cable
- 1 x Remote Control Software (RCS²)\*
- 1 x Set of 6 audio 5-pin screw terminals
- 1 x Front Rack Ears
- 1 x User Manual (PDF version)\*
- 1 x Quick Start Guide\*

### Warranty:

3-year warranty on parts and labor back to factory.



\* User Manuals, Quick Start Guides and the RCS² are also available on [www.analogway.com](http://www.analogway.com)

**i** Specifications subject to change without prior notice

All technical specifications are available on our website