Video Control on Demand

Bringing together sophisticated presentation switching with advanced mixing capabilities into a single device, this vision mixer console includes broadcast style features for quick usage and access for any event or presentation. Integral dual eight-inch LCD displays provide monitoring of video sources, full preview, and program outputs. At the rear of the M3, the unique RGBlink modular platform becomes apparent, with a host of signal options and features.

Along with the on-board LCD monitoring, signature large tactile illuminated buttons feature with T-Bar mixing controls. Up to six outputs may be fitted to M3 for presentation solutions that go beyond just vision mixing, and with powerful scaling features, M3 is a fully integrated video system suitable for professional environments across entertainment to integration.

M3 is available in two variants with the M3e model having additional features for AUX outputs when fitted, including PIP capabilities and more.

Features

- Integrated vision mixer and scaler
- 16 mega pixel capacity
- PST to PGM presentation switching
- Background insert inputs
- Overlay features including OSD, LOGO & STILL
- Digital effects for PIP including Mask, Frame, DSK
- Dedicated PVW Multiview onboard and external
- Integral adjustable Dual LCD displays
- Genlock Y In support
- Tally support
- Support for redundant power supply
- RGBlink SmartSlot™ modular signal structure
- Store and recall presets on board
- Save settings and presets to USB
**Standard Mode**
The default operation mode of the M3, utilise up to five scaled layers/windows over with a background. Switch seamlessly between Preset (PST) and Program (PST).

Example: four PIP over a background on a single output (and duplicated on the 2nd HDMI output)

**4K1K Splicing Mode**
Utilising the standard dual HDMI outputs up to 2 layers may be used on each output for seamless PST/PGM switching.

Example: two scaled video layers on each HDMI output

**AUX + PGM Splicing mode**
Fit an AUX module to utilise six outputs to splice and scale video up to 6Kx2K or 12Kx1K on the standard M3 model.

Example: 6K x 2K spliced display using six outputs

Example: 12K x 1K spliced display using six outputs

Example: Five displays, with centre “B” display using main HDMI output and window/layer

**AUX + LOOP**
With the optional AUX module fitted back to an input, create the PST/PGM across the auxiliary outputs.

Example: 4K spliced display using AUX and PIP

Example: 8Kx1K spliced display using AUX and PIP

Example: Multiple AUX outputs with separate
AUX

Using the M3e model, add up to five video layers – one for each output plus a background video. (Main HDMI outputs operate as shown in Standard Mode).

Example: PIP on each AUX output over a background

Example: Dual PIPs split across AUX outputs over a background

Example: Single PIP split across the four AUX outputs over a background

Example: Single PIPs on each of two displays as well as a PIP split across the two AUX outputs over a background

Example: Scaled output to each AUX output.
Scale
Set output resolution independently from input resolutions, and scale the output pixel-to-pixel, ideal for direct connection to non-native displays such as LED. Arrange scaled layers in any position.

Multiview Preview
M3 features a dedicated multi-view preview display available both from the onboard LCD and via a dedicated HDMI output. This configurable PVW can display up to eight input sources.

PST/PGM Monitoring
An onboard LCD display is dedicated to providing monitoring of PST and may also be switched to show PGM. For external duplication of this monitoring, a dedicated HDMI output port is also provided.

Modular Inputs
A wide range of input options are available with up to twelve inputs able to be user fitted. Input options include HDMI, DVI, SDI, DisplayPort, CVBS and USB 2.0 media.

Digital Effects
A video mask may be applied to a foreground PIP video layer. There are wide range of included masks, and in additional users may load custom masks for even more creative control. Other effects available include DSK/Chroma Key, blend edge softening effect and frames/borders including drop-shadow.

Crop & Position
Select X and Y offsets along with width and height to select any image part for output.

OSD
Import On Screen Display text messaging overlays in virtually any font or style, and either moving static. M3 provides a dedicated TAKE facility for OSD independently of the video TAKE.

LOGO & STILL
Import and apply a STILL (watermark) or LOGO (channel transitions with TAKE), these layers are additional overlays regardless of video layers in use.

Format
M3 accepts all common 2K input formats, with EDID management built in. Output to any 2K format with custom resolutions able to be specified to display requirements.

Dual 2K Outputs
M3 is standard with two HDMI outputs. These outputs may be configured in a variety of ways – modes – included standard duplicated output, dual 2K (4Kx1K) or where AUX is fitted as spliced and extended.

Genlock
Genlock Y in is included enabling synchronised operations of M3 across devices connected to a Genlock generator/source.
### Specifications

#### Connections

<table>
<thead>
<tr>
<th>Input</th>
<th>3 slots up to 12 inputs</th>
<th>Select from</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DVI module</td>
<td>4 x DVI-I</td>
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<tr>
<td></td>
<td>HDMI module</td>
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<tr>
<td></td>
<td>SDI module</td>
<td>4 x BNC</td>
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<tr>
<td></td>
<td>VGA module</td>
<td>4 x DB15</td>
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<tr>
<td></td>
<td>CVBS module</td>
<td>4 x BNC</td>
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<tr>
<td></td>
<td>USB module</td>
<td>4 x USB Type A</td>
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<tr>
<td></td>
<td>4K@30 module</td>
<td>2 x DVI-I</td>
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<table>
<thead>
<tr>
<th>Output-BKGID</th>
<th>Standard with</th>
<th>HDMI</th>
<th>2 x HDMI-A</th>
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<tbody>
<tr>
<td>Output-PGM</td>
<td>Standard with</td>
<td>HDMI</td>
<td>2 x HDMI-A</td>
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<td></td>
<td>Select from</td>
<td>DVI-I</td>
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<tr>
<td></td>
<td>HDMI module</td>
<td>4 x HDMI-A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SDI module</td>
<td>4 x BNC</td>
<td></td>
</tr>
</tbody>
</table>

| Output-PST | Standard with | HDMI | 1 x HDMI-A |
| Output-PVW | Standard with | HDMI/VGA | 1 x HDMI-A | 1x DB15 |

**Communication**
- LAN: 1 x RJ11
- Link In/Link Out: 1 x DB9 (female) | 1 x DB9 (male)
- Genlock (1 input Loop): 2 x BNC
- USB: 1 x USB Type A
- Tally: 3 x DB15

**Power**
- 2 slots up to 2 power inputs: Standard with 1 x IEC

**Input Resolution**
- SMpte: 480i | 576i | 720p@50/60 | 1080i@59.94/60 | 1080p@23.98/24/25/29.97/30/50/59.94/60 | 1080psf@23.98/24/25/29.97/30
- VESA: 800x600@60 | 1024x768@60 | 1280x1024@60 | 1366x768@60 | 1440x900@60 | 1600x1200@60 | 1920x1080@60
- DVI | USB
- SMpte: 480i | 576i | 720p@50/60 | 1080i@59.94/60 | 1080p@23.98/24/25/29.97/30/50/59.94/60 | 1080psf@23.98/24/25/29.97/30
- VESA: 800x600@60 | 1024x768@60 | 1280x1024@60 | 1600x1200@60 | 1920x1080@60 | 2048x1152@60
- CVBS
- SMpte: 480i | 576i | 720p@50/60 | 1080i@59.94/60 | 1080p@23.98/24/25/29.97/30/50/59.94/60 | 1080psf@23.98/24/25/29.97/30
- VESA: 800x600@60 | 1024x768@60 | 1280x1024@60 | 1600x1200@60 | 1920x1080@60 | 1920x1200@60

#### Performance

**Output Resolution**
- Select from below or configure customized
- SDI: 720p@50/59.94/60 | 1080p@50/59.94/60
- HDMI/DVI
- SMpte: 720p@50/59.94/60 | 1080p@50/59.94/60
- VESA: 800x600@60 | 1024x768@60 | 1280x720@50/59.94/60 | 1280x800@60 | 1280x960@60 | 1280x1024@60 | 1400x1050@60 | 1600x1200@60 | 1920x1080@60 | 2048x1152@60

**Supported Standards**
- HDMI 1.4
- Dual Link DVI
- DP 1.1a
- SDI
- VGA/UxGA
- USB 2.0
- SMpte 425M (Level A & B) | SMpte 424M | SMpte 292M | SMpte 259M-C | DVB-ASI

**Features**
- Splicing: 12kI
- Maximum Layers: 5
- EDID Management: Yes
- LCD Screens: 2

**Power**
- Input Voltage: AC 100–240V 50/60Hz
- Max power: 205W

**Environmental**
- Temperature: -25°C–55°C (25°C Typical)
- Humidity: 10%–90%

**Physical**
- Weight: Net 16.65kg
- Packaged 27.95kg
- Dimensions: Net 502mm x 430mm x 186mm
- Packaged 610mm x 580mm x 395mm

#### Order Codes

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<td>310-0003-31-1</td>
<td>M3 (Aux PIP)</td>
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<tr>
<td>310-0003-35-1</td>
<td>M3 (Aux PIP)</td>
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<td>190-0003-01-0</td>
<td>Quad DVI Input Module</td>
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<tr>
<td>190-0003-02-0</td>
<td>Quad HDMI 1.3 Input Module</td>
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<td>190-0003-03-0</td>
<td>Quad VGA Input Module</td>
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<td>190-0003-04-0</td>
<td>Quad 3G SDI Input Module</td>
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<td>Quad 2K-HDMI-S Input Module</td>
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<td>200W Power Module</td>
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**Dimensions**

![Dimensions Diagram](https://via.placeholder.com/150)