# THRUPUT

*Advanced 4K x 2K video processing technology, renders up to eight videos, at the same time.*

- *All input and output resolutions up to 3840 x 2160.*
- *8 x inputs.*
- *3 x ouputs.*
- *Composite output: Cut, crop and stack inputs, with transparent overlay.*
- *Low heat and power.*

## Perfect rendering

MIDAS II 4K can generate three video streams, each with up to 8 Mega-pixel resolution.

## Input video

For each input, the MIDAS II 4K provides complete control:

- Set up any input resolution.
- Generate independent EDID (Extended Display Identification Data).
- Colour mapping.
- Transparency.

## Output video

For each output, the MIDAS II 4K provides complete control:

- Set up any output resolution.
- Render a single input on a single screen.
- Create a composite of inputs in a mosaic.
- Create a composite of inputs, stacked with transparency.

Output 1

Output 2

Output 3

**THRUPUT**

## Safety

Thruput True-pixel graphics processing:

- Directly maps input pixel to output pixel.
- Avoids any zoom engines or pixilation chipsets.
- All data channels are isolated and data from one channel cannot pass to another.

## Green solution

The MIDAS II 4K does not use any hazardous materials, and is:

- Fully RoHS compliant, with ultra-low power consumption.
- Typically 30W in normal operation.

## Specification

| | |
|---|---|
| Outputs | 3 off 3840 x 2160 (DVI DL) |
| Inputs | 8 off 3840 x 2160 (DVI DL) |
| Function | • Set input and output resolutions.<br>• Independent EDID (Extended Display Identification Data).<br>• Synchronise all received data.<br>• Create composite output of any or all inputs.<br>• Cut, crop, position and stack each input.<br>• Map selected colours to new colours.<br>• Set transparency colours for each input. |
| Power | Dual redundant, 12V 3A inputs.<br><br>Mains PSU, dual external.<br>Universal input voltage, worldwide use.<br>Typically below 30W. |
| Noise | 0 dB (silent operation) |
| MTBF | 127,000 hours |
| Compliance | CE, FCC and ROHS. |
| Record | Record any output using Sentinel recorder. |
| HMI | Support synchronized switching with mouse & keyboard. |
| Extension | Up to 100m, Sentinel KVMX extender. |

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