THRUPUT

DVI DL Video Integration
GF MIDAS II

Advanced video processing technology, renders up to eight videos, at the same time.

- *All input and output resolutions up to 2560 x 2048.*
- *8 x DVI DL inputs.*
- *3 x DVI DL ouputs.*
- *Composite output: Cut, crop and stack inputs, with transparent overlay.*
- *Low heat and power.*

Perfect rendering

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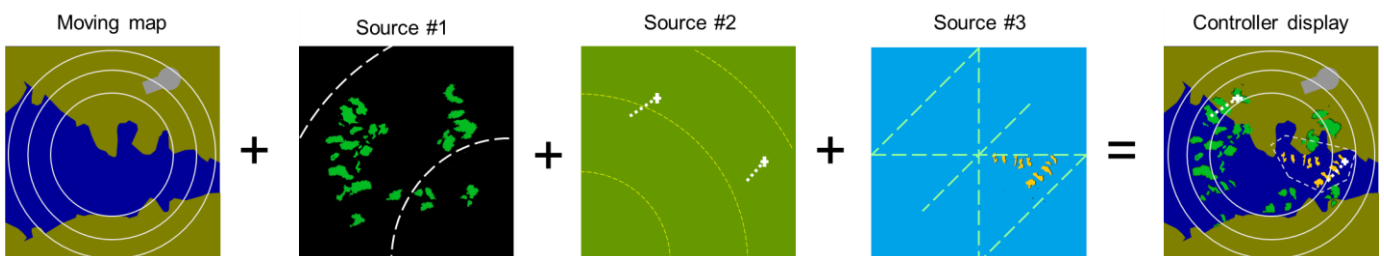
Input video

For each input, the MIDAS II 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 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.

Moving map + Source #1 + Source #2 + Source #3 = Controller display

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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 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 DVI DL
Inputs	8 off DVI DL
Function	- Set input and output resolutions. - Independent EDID (Extended Display Identification Data). - Synchronise all received data. - Create composite output of any or all inputs. - Cut, crop, position and stack each input. - Map selected colours to new colours. - Set transparency colours for each input.
Power	Dual redundant, 12V 3A inputs. Mains PSU, dual external. Universal input voltage, worldwide use. 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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