

Digital&AnaloguevideoSwitch



Thruput Limited supplies the MIDAS high integrity KVM switch for use with ATC Main and Support displays. The system is able to switch multiple High and Low resolution channels.

Left: The GF MIDAS KVM installed prior to cabling.

Thruput MIDAS Digital and Analogue video switch offers:

- 4 channels of high resolution switching (upto 2048x2048)
- 4 channels of low resolution switching (upto 1920x1440)
- Upto 16 channel combination switched simultaneously
- Fail Safe to master system
- Truepixel™ Technology ensures no degradation of video quality
- Enables Analogue video to be displayed on Digital LCD panels
- Flexible control options: front panel or remote RS232
- Separate Video only and Keyboard-Mouse switch options

The Thruput GF MIDAS KVM is designed for Air Traffic Management applications, and is able to switch ATC main displays and any associated support screens seamlessly between different data sources.

The system utilises Truepixel™ Technology to ensure that there is no degradation caused to the video imagery, and provide a high integrity safety case to support the Air Traffic Operations.

To enable both legacy and current generation systems to be combined on a single display suite, the switching process is also able to convert legacy video formats (such as the Sony DDM) into current generation DVI format so it

may be displayed directly on an LCD panel.

Thruput provides lossless Video switching for the Sony DDM and all subsequent LCD panels



Inputs

The system provides switching for eight video and eight keyboard-Mouse inputs comprising:

Thruput Limited 14-15 Londonderry Farm, Keynsham Road, Willsbridge, Bristol, BS306EL, United Kingdom

Office: +441179328585

Fax: +441179329339

Email: sales@thruput.co.uk

Web: www.thruput.co.uk

- 4 channels of high resolution (up to 2048x2048) of which two are analogue and two are digital.
- 4 channels of low resolution (up to 1920x1440) all of which may be analogue or digital.
- 8 channels of Keyboard-Mouse, which may be any combination of USB or PS2 format.

The user is able to configure the switching logic on installation. Selection of inputs can be made in several ways:

- Locally using the built-in front panel control.
- Remotely via an RS-232 link to an external control panel, for example at a supervisor's workstation.
- For system integrators, Thruput will provide the system control code to enable system control from within the user's software application.

Switching

The system allows all input channels to be either:

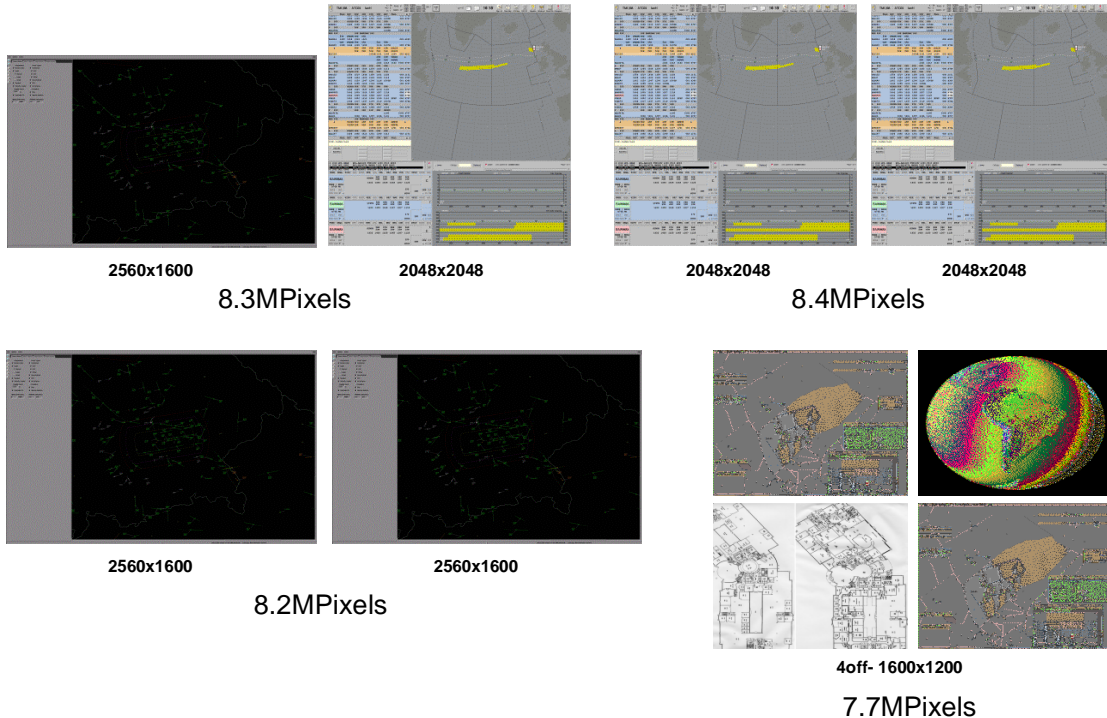
- Selected individually or
- Grouped to enable multi-channel switching from a single button push.

Physical

Size: 2U high 19" rack mount
Power: 5W peak 220/110VAC

Outputs

The MIDASKVM can support any configuration of single or multiple screens up to a total resolution of 9.2Mpixels. Some typical examples are shown below.



The GFMIDASKVM can switch up to 9.2Mpixel on single or multiple screens.