

## Sentinel... 2K x 2K KMV distribution



*Sentinel Tx enables the real time capture of 2K x 2K video and USB data without any impact on the data sources. The picture shows a 3-module assembly.*

### The Thruput Sentinel System provides:

- Network based, real time 2K x 2K video distribution and switching.
- Mouse, keyboard and audio, switching and extension.
- Configurable to support full dual redundancy.
- 1000baseT, PoE technology.

### Sentinel technology for 2K X 2K networked extensions.

The sentinel system is fully modular and can accommodate an unlimited number of ATC positions with their video, mouse and keyboard data.



*An individual Sentinel Module. These may be clustered for 19" rack or custom installation.*

#### Data Sources

- DVI (Dual link @ 60 Hz).
- USB.

#### Networking

- 2 x 1000baseT Ethernet.
- SNMP Management.
- Copper and fibre LAN support.

#### Power Supply options

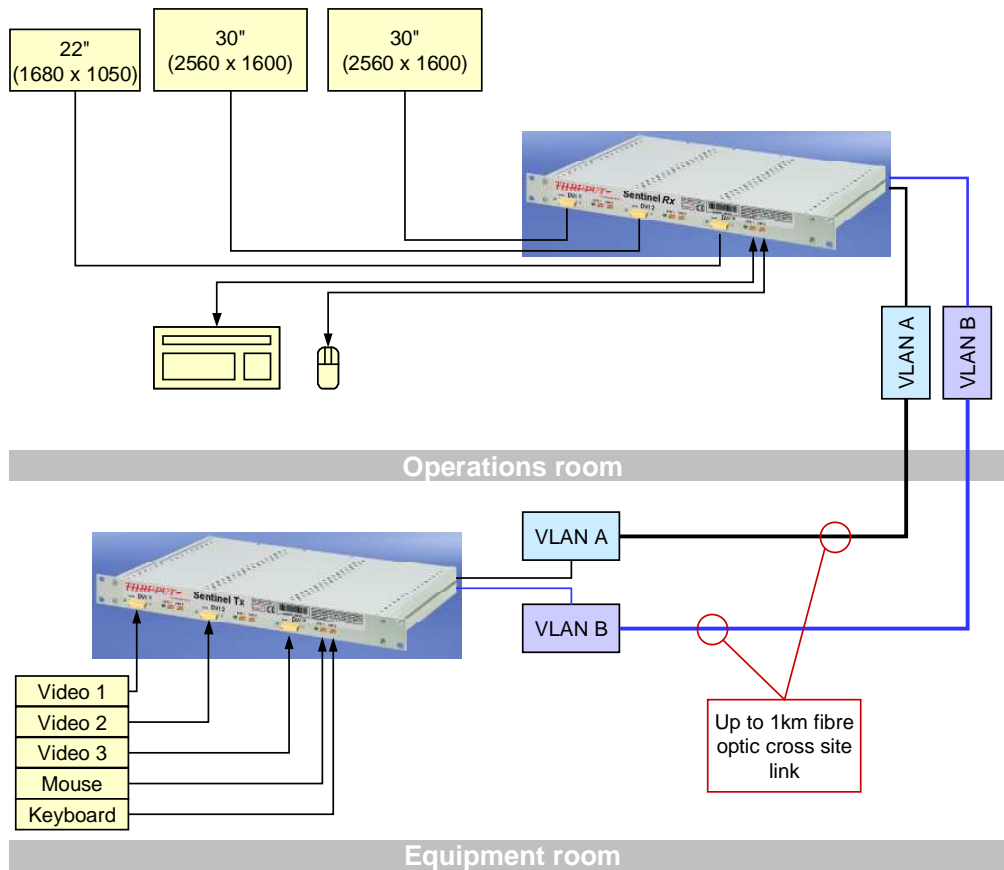
- PoE, USB or 5V external.

#### Physical

- Triple case: 1U 19" rack mount. Weight 1.2 Kg
- Single case: 12 cm x 10 cm x 3 cm. Weight: 0.3 Kg.

### System Concept

The Sentinel System is a wholly independent suite of data acquisition and distribution components that can be introduced to any operational ATC unit.



**Safety**

Data acquisition, conversion to LAN traffic and recording or display uses Thruput Truepixel™ technology for an optimal safety case.

- All input data is correlated and converted to LAN traffic in one operation.
- No compression, fully lossless transmission.
- No Pixel processing.
- Real time capture, transmission and display.
- Low temperature operation.
- Dual LAN transmission.



*Sentinel CWP distribution uses independent modules for redundancy and flexibility. The system is infinitely scalable and deploys high-performance, low-power FPGA technology*

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