Robust extender technology for a complete working position, with 60 Hz video at 2048 x 2048 resolution, digital audio, USB, network and serial device connectivity.

- *100 m range.*
- *2048 x2048, 2560 x 1600 resolution video.*
- *60 Hz DP, HDMI or DVI.*
- *USB mouse & keyboard.*
- *RS232, Audio and LAN.*
- *Ultra low heat and power.*

Perfect Digital Video
The Sentinel KMVX uses lossless encoding technology to deliver the very best picture available. The encoding system is:

- Spatially-perfect, with exact 1:1 pixel mapping,
- Digital video is rendered exactly the same as video sent from the remote computer.

True USB 2.0 pass through
Sentinel KMVX enables connection with most USB devices from mice and keyboards through to tracker balls, joysticks and USB flash drives.
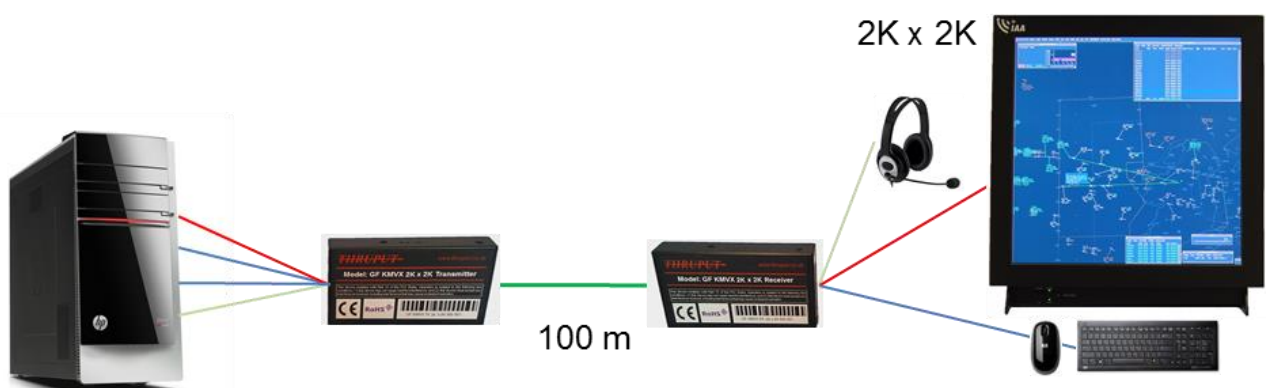
High quality audio
Perfectly clear stereo audio is passed through digitally to ensure:

- Continuous fidelity from source to destination.
- Clear channel separation.

Network
Sentinel KVMX includes a 100BaseT point to point LAN that enables:

- Point to point connection of any LAN enabled devices.
- Routing of data from any LAN device to a Network switch.

2K x 2K

100 m

RS232 channels

Sentinel KVMX provides a bi-directional RS232 interface which can connect with devices including:

- Control panels.
- Touch screens.

Green solution

The Sentinel KVMX does not use any hazardous materials, and is fully RoHS compliant, with ultra-low power consumption.

Life cycle benefits

Greatly reducing the complexity at the working position, an extended single monitor with optimum human factors will be:

- Cheaper to install.
- Cheaper to run than several smaller monitors (by up to 400% depending on their age).
- Produces up to 400% less heat in the operations room.
- Less tiring for the user, with potential improvements to staff health and well-being, that may also reduce fatigue related errors.

Safety

Sentinel KVMX features true-pixel graphics processing and avoids the use of zoom engines or pixilation chipsets to ensure:

- The video colour is always accurate; the received video colour is exactly the same as the sent colour at all times.
- There is never a loss of clarity.
- Direct mapping of every input pixel precisely to the output LCD pixel.

Specification

Video	Up to 2048 x 2048, 2560 x1600 60Hz DP, HDMI or DVI.
Serial	RS232 (3.5 mm jack socket)
Data entry	USB
Audio	3.5 mm jack sockets via USB adapter.
LAN	100MB LAN POE (class 2)
Range	100 m Copper (CAT 6)
Power	DC (universal mains input)
Physical	140 x 79 x 26 mm 0.2 Kg per module
Noise	Silent operation
Compliance	CE, FCC and ROHS class B