

56" (3840 x 2160) Safety Monitor



The Thruput 56" 3840 x 2160 monitor is in full operational service with EUROCONTROL, NATO and PANSO. The system is deployed for Air Traffic Incident Investigations at Warsaw Air traffic Control Centre.

The Thruput 56 inch monitor provides:

- 56" diagonal
- 3840 x 2160 resolution
- Truepixel™ safety
- Low temperature operation
- Dual external power supplies

Specification

Horizontal resolution	pixels	3840
Vertical resolution	pixels	2160
Horizontal screen size	mm	1244
Vertical screen size	mm	700
Diagonal	inches	56
Luminance	Cd/m ²	700
Contrast ratio		1200:1
Input Channels	2 x DVI dual link	
Power supply	Dual External	



Truepixeltm Safety

The **Truepixeltm** concept developed from the analyses carried out by UK CAA Safety regulators into the failure modes of LCD monitors. **Truepixeltm** technology provides an optimum Safety Case for the system:

- Every pixel from the graphics source is mapped to a physical pixel without any internal firmware manipulation.
- The data received is exactly the data displayed.
- Minimum throughput delay.
- Minimised component stress levels.
- All analogue input data is correlated and converted to digital in one operation through a single integrated 24-bit A/D converter.
- No Pixel processing or scaling.
- No On Screen Display processing.
- Self evident failure modes.

- PCoIP Graphics Accelerators.
- Legacy systems Operational Support (Sony DDM).
- DVI dual link video switching and extenders



Merlin helicopter: MIDAS 2 Video processing Unit.



Warsaw ACC: Operational supervisors station.

Thruput Graphics technology

Thruput are dedicated to the creation and support of innovative high-resolution graphic products:

- Video fusion for command and control
- Real time video processing for simulators and video walls
- DVI dual link video recording synchronised with audio and radar data.



Tallinn ACC: Network based video capture and distribution.

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