

THRUPUT

4K x 2K Colour LCD Monitor GF VT 16 - 50"

Advanced primary control monitor, with widescreen format and an 8-megapixel resolution, for the highest quality and flexibility in data display.

- 3840 x 2160 resolution.
- 60 Hz zero latency.
- 5000 : 1 contrast ratio.
- Pure White LED backlight.
- Ultra low heat and power.

New in Version B:

- 5 inputs.
- Single, Dual and Quad display modes.



Perfect rendering

The Thruput GF VT 16 displays 8 megapixels across its 50" screen, with perfect colour rendering on an ultra-low reflectivity, anti-glare screen.

Pure colour brightness control

Brightness is controlled by Thruput's pure colour control technology, making it ideal for any Operations Room:

- Displayed colours are perfect at all brightness settings.
- Pure White LED Backlight.
- Maintain colour accuracy and contrast at all brightness settings.
- Uniform brightness across the screen.

New possibilities

The large size and high resolution creates new possibilities for information display.

- View one 4K x 2K image across the entire screen.
- Combine with MIDAS video processing to view several channels of information on one screen rather than on many separate monitors.

Wide Viewing Angles

Users can comfortably view all data across the entire screen while remaining in one position.

- Wide viewing angles of 178° x 178°.
- Minimal colour shift, even at acute angles.



Green solution

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

- Typically 60W in normal operation.
- The LED backlights are mercury free so will have less impact on the environment when disposed of compared to a conventional CCFL backlight.
- Up to 5 year warranty, 24/7 continuous operation.

Life cycle benefits

Greatly reduced complexity at the working position, a single monitor with optimum human factors will be:

- Cheaper to install and run than several smaller monitors (by up to 400% depending on their age).
- Produces 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

Thruput True-pixel graphics processing:

- Directly maps input pixel to LCD pixel.
- Avoids any zoom engines or pixilation chipsets.

Specification

Version B

Inputs	1 off DP 1.2 (60 Hz) 1 off HDMI 2.0 (60 Hz) 3 off HDMI 1.4	
Resolution	3840 x 2160	
Modes	Single	Full screen
	Dual	Top and bottom
		Left and right
Quad	One in each quadrant	
Pixel Pitch	88 DPI, 0.29 mm square	
Brightness	350 nits	
Contrast	5000 : 1	
Colour	32 bit colour	
Surface	Anti-glare and anti-reflective	
Power	Universal input voltage, worldwide use. Typically below 49W (normal operation)	
Noise	0 dB (silent operation)	
Size	112 x 64 x 5 cm	
Weight	17 Kg	
Mounting	VESA 400 x 200 mm centres	
MTBF	87,000 hours (25% brightness).	
Backlight	LED	
Update	60 Hz, zero latency (DP)	
Compliance	<ul style="list-style-type: none"> • Human Factors Criteria for Displays: A Human Factors Design Standard (FAA DOT/FAA/TC-07/11). • CE, FCC and ROHS. 	
Record	Sentinel 4K x 2K recorder.	
Extension	Up to 200m, Sentinel KVMX extender.	

Version A

Version B

