

**THRUPUT**

# 4K x 2K Hi-bright Touch Screen GF VT 20 – 40 HBT

Next generation high-brightness, high-contrast touch screen monitor, with widescreen format and an 8-megapixel resolution, for the highest quality and flexibility in ATC tower data display and control.



- *550 nits Brightness*
- *4800 : 1 contrast ratio*
- *3840 x 2160 resolution*
- *Zero latency, Flicker free 120 Hz*
- *Up to 60 touches with palm rejection*
- *Ultra-low heat and power*
- *5 inputs, Single, Dual and Quad display modes*

## Reduced workload

Using one screen instead of several, the user's eye and head movements are reduced and viewing comfort is increased:

- Without obtrusive bezels, all relevant data is concentrated within the optimum field of view.
- All pixels the same size.
- Seamless boundaries between sources.

## Touch screen

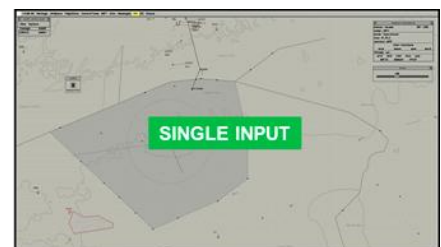
Provides simultaneous multi-touch events for a selected input, with ultra-high definition, 4K x 4K touch resolution.

- Smooth touch performance and drawing capability.
- Smooth edge finish for user comfort, durability and safety.
- Easy-to-clean, no wear surface limits debris build up for increased reliability.

## 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 videos to view several channels of information on one screen.



### Wide Viewing Angles

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

### Pure colour brightness control

Brightness is controlled by Thruput's pure colour control technology, making it ideal for any ATC Control Tower:

- Displayed colours are perfect at all brightness settings.
- Maintains colour accuracy and contrast at all brightness settings.
- Uniform brightness across the screen.
- User controls for day & night operation.

### A safe and green solution

The monitor does not use any hazardous materials, and is fully RoHS compliant.

- Low power consumption.
- The LED backlights are mercury free.
- 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.
- Produces less heat in the ATC Tower.
- Less tiring for the user, with potential improvements to staff health and well-being, that may also reduce fatigue related errors.



### Specification

Inputs	1 off DP 1.2 1 off HDMI 2.0 3 off HDMI 1.4	
Resolution	3840 x 2160	
Update	120 Hz, zero latency	
Pixel Pitch	0.22 x 0.22 mm	
Brightness	550 nits	
Contrast	4800 : 1	
Modes	Single	Full screen
	Dual	Top and bottom
		Left and right
Quad	One in each quadrant	
Colour	32 bit colour	
Surface	Anti-glare and anti-reflective	
Power	Universal input voltage, worldwide use. Typically 50W (night) / 95W (sunlight).	
Noise	0 dB (silent operation)	
Size	93 x 55 x 7 cm	
Weight	15 Kg	
Mounting	VESA 200 x 200 mm centres	
MTBF	87,000 hours (25% brightness).	
Backlight	LED	
Compliance	CE, FCC and ROHS.	
Touch Inputs	Up to 60 touches with palm rejection. Ultra-high definition, 4K x 4K touch resolution for smooth drawing capability.	
Input Method	Finger, thin gloves or stylus.	
Accuracy	>99% of true position	
Durability	Non-active cover glass, no wear mechanism	
Cleaning	Water, isopropyl alcohol, or similar non-abrasive cleaners	
Operating Systems	Windows, Linux, Mac	
Expansion	Record	Sentinel DP 1.2 recorder
	Extend	Sentinel KVMX extender
	Manage	TELLNET SNMP