

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

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Page 2 of 2

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