

## Monitor Technical Specification

**Product Name** LCD21.3" EQ MTC Legacy Monitor

## LCD 21.3" EQ MTC MONITOR

### Display Panel

Screen size: 21.3" (101 cm) diagonal  
 Aspect Ratio: 4:3  
 Resolution: 1280 (H) x 1024 (V) pixels  
 Active area: 432 (H) x 324 (V) mm  
 Brightness: 300 cd/m<sup>2</sup> (typical)  
 Contrast ratio: 800:1 (typical)  
 Viewing Angle: H: 178°, V: 178°  
 Colours: 16.77 Mil  
 Response Time: 15 mSec  
 Front filter: None

### Inputs

Input Connectors: 1 x Dsub 15 HD [Analog RGB]  
 Video: 1 x BNC [CVBS, input only] (Optional at additional cost)  
 Sync. Type/Level: Separate H & V (+/-ve) TTL or  
 Composite (-ve) TTL or  
 Sync-on-Green (-ve) 0.3V  
 Slow Scan Support: Analog or TTL inputs in 15-40kHz range plus autosave  
 Fast Scan Support: Inputs in 15-40kHz range plus  
 1280 x 1024 SXGA  
 1024 x 768 XGA  
 800 x 600 SVGA  
 640 x 480 VGA  
 Horizontal Scan: 15-91kHz  
 Vertical Scan: 40-80Hz  
 Clock Rate: 135Mhz

### Physical/Environment

Dimensions: Display is 454mm (W) x 346mm (H) x 58mm (D) (App.)  
 Panel is 593mm (W) x 481mm (H) to fit MTC25EQ Frame  
 Weight (complete): 9 Kg.  
 Mains Voltage 90-264 Vac ± 15%, 50/60 Hz  
 Power : 70 W  
 Operating Temp: 0°C to 50°C (max 75% RH not condensing)  
 Storage Temp: -20°C to 60°C (max 75% RH not condensing)  
 Class Protection: None

### Part Numbers

Standard product: LCD25 MTC ( 900000) with 15 pin connector  
 Version with PAL: LCD25 MTCP (900001) with single BNC connector  
 Cable to convert to 5 x BNC (900003)  
 Cable to convert to 9 pin "D" connector (9000005)

### Notes

The display is designed to be bolted directly to the metal frame of a Hantarex MTC25" EQ/3 with four bolts that will be supplied. The inputs will depend on the End User requirement. This will need to be specified at the time of order and the correct cables need to be purchased.



- Designed to replace the electronics of a MTC25 EQ/3
- Optional PAL interface
- 5 x BNC and 15 pin D inputs
- 15 - 40kHz slow scan support
- Also supports VGA – SXGA resolutions
- CE Approved and designed to comply with BSEN50121-4 for Railway applications

This plate mounted 21.3" LCD display is driven by sophisticated electronics that can support any number of slow scan "legacy" type data signals or there is a version that will support data and PAL signals.

The panel is a modern 21.3" SXGA TFT but signal processing is via a special Analog-Digital interface board that has integrated signal recognition and scaling software and access to an extensive library of older signal timings, making this a true multiscan LCD monitor with unique 15kHz to 91kHz display capabilities.

This display uses the largest 4:3 ratio LCD available at 21.3" but the electronics could be used to produce larger displays but these would have a 16:9 ratio. Please ask for further details if this is of interest.

Hantarex have a policy of continuous development and reserve the right to change specifications and descriptions without prior notice. All trade marks acknowledged. LCD25 MTC – Rev03

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