



Model:
RCHM4000-TSB-DST

40" Industrial touch Screen LCD-NEC-3M-DST

DESIGNER LOOKS WITH A PROFESSIONAL ATTITUDE

- Full 1080p HD resolution
- Open architecture expansion slot
- Interchangeable black or silver bezel
- Digital video interface with HDCP
- Thermostatic cooling protection for long life
- Simple on-screen menu navigation
- SpectraViewII™ Color Calibration Solution
- GammaComp™ MD DICOM and programmable lookup table
- Adjustable color temperature (2600 - 10,000K)
- CableComp™ long cable compensation
- Available HD tuner, speakers and wall mount
- 3-year parts and labor warranty, including backlight

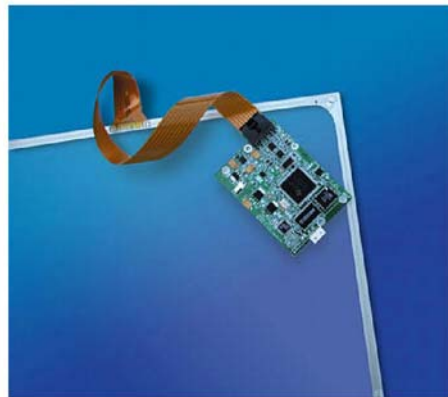


MicroTouch DST Large Format Touch System

Fundamentally Different Touch for Interactive Signage

For most popular large-format touch technologies touch position is calculated when a finger interrupts an optical field, infrared light beams or acoustic waves on or above the surface of the touch screen substrate. Relying on these active surface properties makes these technologies susceptible to different types of interference or environmental limitations, which makes 3M's Dispersive Signal Technology (DST) a fundamentally different touch solution for large-format display applications.

The MicroTouch DST Touch System, based on 3M Dispersive Signal Technology, consists of a chemically-strengthened glass substrate with piezos mounted on each corner, mated to a sophisticated, dedicated controller. The DST Touch System determines the touch position by pinpointing the source of bending waves created by finger or stylus contact within the glass substrate. This process of interpreting bending waves within the glass substrate helps eliminate traditional performance issues related to on-screen contaminants and surface damage, and provides fast, accurate touch attributes.





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DISPLAY	
Viewable Image Size	40"
Pixel Pitch	0.461 mm
Pixel Per Inch	55 @ native resolution
Brightness	450 cd/m2
Contrast Ratio	3000:1
Viewing Angle	178° Vert. 178° Hor. (89U/89D/89L/89R)@ CR>10
Response Time	18ms
Synchronization Range	
Horizontal	31.5-91.1 KHz (Analog/Digital)
Vertical	50-85Hz
Input Signal	
Video	ANALOG: 0.7Vp-p / 75 Ohms
Sync	Separate Sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on green: (0.3 Vp-p negative 0.7Vp-p positive)
Input Connectors	DVI-D w/ HDCP, Analog D-Sub, Analog BNC, Composite RCA or S-Video, HDMI w. HDCP, Component BNC, Audio1 (minijack), Audio 2 and 3 stereo (RCA) / Internal Speaker: None, RS232, DDC/CI, IR remote
Native Resolution	1920 x 1080 @ 60 Hz
Power Consumption	
On	300W
Power Savings Mode	<5W
Dimensions (WxHxD)	
Net (with stand)	38.7 x 24.7 x 15.7 in. / 981.8 x 627.4 x 400mm
Net (without stand)	38.7 x 22.9 x 5.6 in. / 981.8 x 582.4 x 142.5mm
Net Weight (with stand)	71.9 lbs.
Net Weight (without stand)	
VESA Hole Configuration Specifications	200 x 200mm (8hole) / 200 x 100mm (6 hole)
Environmental Conditions	
Operating Temperature	5-40C / 41-104F
Operating Humidity	10-80%
Operating Altitude	4200m / 13,780 ft. TBD
Storage Temperature	-20-60°C / 14-140°F
Storage Humidity	10-90%
Storage Altitude	12,000m / 39,370 ft. TBD
Warranty	3 Years Parts and Labor including backlight
Additional Features	Power Management, Plug and Play (DDC/CI, DDC2B), PIP (Remote), Multi-level Zoom, FullScan, 6-axis color, CableComp, TileMatrix, TileComp, Screen Saver, Rapid Response, Video Ready (tuner available), Infrared remote control included, motion-adaptive 3D-Y/C comb filter, sRGB color, sleep timer, 24x7 scheduler

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