



32" INDUSTRIAL TOUCHSCREEN LCD NEC 3M Microtouch

Model: RCH3200N-TSB

32" commercial-grade LCD displays ideal for digital signage applications

Maximize your messaging without having to maximize your budget. The NEC MultiSync 15 Series, featuring the 32" NEC LCD provides a cost-conscious solution for your digital signage applications. Their high-performance panel and abundance of advanced technologies that promote extended use, along with an adaptable mechanical design, make these displays ideal for a wide variety of environments. Drive foot traffic and sales in retail stores. Whet appetites in restaurants. Build brand awareness and turn heads during presentations in corporate lobbies and boardrooms. With the MultiSync 15 Series, you can create dynamic digital signage solutions in virtually any space and achieve your business goals.

- **Commercial-grade design** lead to the displays' extended use for various applications
- **Public-display-grade panel** protects against permanent image retention
- **Comprehensive input panel** connects you to the latest peripherals
- **500 cd/m2 brightness and 800:1 contrast ratio** help create eye-catching images and crisp, easy-to-read text
- **Protective-glass and touch-panel ready design** provide opportunities for module protection and interactivity
- **TileMatrix™** allows you to create video walls (up to 16 displays in a 4x4 matrix equalling 12 ft. diagonal)
- **TileComp™** works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall
- **Landscape and portrait orientations** allow for flexible content placement, maximizing audience awareness
- **RS-232 input with diagnostics** provides high-quality serial control
- **Scheduler with round-the-clock feature** allows for 7-day scheduling of content and powering of the display

3M MicroTouch™ ClearTek™ II Touch System

The Global Standard in Surface Capacitive Touch Technology.

3M MicroTouch™ ClearTek™ II touch sensors offer a high-endurance solution that is unaffected by on-screen contaminants such as chemicals, grease, dirt, and water. This makes it ideal for touch applications where exceptional performance, vibrant optics and environmental robustness is required, 24-hours a day, 7 days a week.

Features

Fast, accurate and reliable touch response

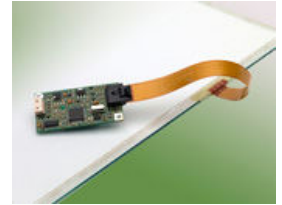
3M-proprietary hard coat provides premium surface wear resistance for heavy-use applications

Operation is unaffected by on-screen contaminants

Resilient top coat creates a scratch-resistant, easy-glide surface

Excellent light transmission of 91.5% provides vibrant optical characteristics with optimal anti-glare properties

Solder less, low-profile design and robust tail simplifies integrations and improves sealability



Performance Input

Method: Finger input

Accuracy*: Reported touch coordinates are within 1.0% of true position (based on the diagonal dimension of the screen) within the precision area when linearized and used with MicroTouch™ EX II Series Touch Controllers

Resolution: Touch screen resolution defaults to settings in the electronics and software, generally 1024 x 1024, but capable of 16K x 16K when used with EX II electronics

Linearization: Factory linearization values are stored in the attached controller, represented in a 2D bar code, or in the touch screen NOVRAM when present

Optics

Light Transmission**: 91.5% light transmission (±1.5%)

Surface Finish: ClearTek II hard coat with optimal anti-glare properties. Scratch resistant top coat provides smooth, easy glide touch surface

Mechanical

Minimum Contact Requirement: 5.4 ms for finger input with EX II series controller

Glass Thickness: 3.18mm (±0.25mm) typical. (Glass only, not including flexible tail connection; reference touch screen drawing for details.)

Display Size Supported: 6.4" to 32" diagonal (4.3, 16:9, 16:10)

Surface Scratch Hardness: A Mohs pick with a hardness rating of 7 or higher is required to induce a scratch which will cause a functional failure. Functionality unaffected by severe abrasion per MIL-C-675-C, exceeding number of specified cycles. Functionality unaffected by 10,500 grams of force per Balance Beam Scrape Adhesion Mar Tester with loop stylus

NEMA Rating: NEMA sealable

Gasketing: Complete water-resistant seal obtainable with polyethylene gasket. Please consult ClearTek™ II integration guide for further details

Mounting: Please consult MicroTouch™ ClearTek™ II Integration Guide for specific mounting instructions.

Cleaning: Water, isopropyl alcohol, or similar non-abrasive cleaners

Reliability

Surface Obstructions: Touch screens operation withstands surface contaminants such as, dirt, dust and grease

Chemical Resistance: ClearTek™ II is highly resistant to a variety of solvents, acids, and household chemicals in accordance with ASTM-D-1308-02e1 and ASTM-F-1598-95 (reapproved 2002)

Liquid Resistance: Liquids on screen do not impede touch screen performance

Operating Temperature: -40° C to 70° C for the touch screen

Storage Temperature: Always store the touch screen in its original shipping container between -50°C and 85°C (up to 90% RH from 0° C to + 35° C). Never store touch screens in an environment where condensation may form

Humidity: Up to 90% RH from 0° C to +35° C, non-condensing



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Specifications:

LCD Module	
Viewable Size (diagonal)	32"
Panel Technology	S-IPS
Native Resolution	1366 x 768
Pixel Pitch	0.511mm
Brightness (typical)	500 cd/m2
Contrast Ratio (typical)	800:1
Active Screen Area (W x H)	27.5 x 15.4 in. / 697.7 x 372.3mm
Features	
Additional Features	Advanced cooling system for long operation; Intelligent Power Management System; advanced self diagnostics with communication; portrait/landscape; TileMatrix (up to 16 displays); TileComp; screen saver; control key lock-out mode; complete scheduler; NaViSet; picture-in-picture (PIP); side-by-side (SBS)
POWER	
Power Requirements	AC 100-240V@50/60 Hz
Power Consumption (typical)	140W
Power Consumption - Standby Mode	<5W
PHYSICAL SPECIFICATIONS	
Bezel Width (L/R, T/B)	1.7 in., 1.6 in. / 44.2mm, 40.5mm
Dimensions (without stand; WxHxD)	31.1 x 18.8 x 5.2 in. / 789 x 476.3 x 133mm
Packaging Dimensions (WxHxD)	36.6 x 24 x 11.1 in. / 930 x 610 x 283mm
Net Weight (without stand)	35.7 lbs. / 16.2 kg
Gross Weight (with box)	51.8 lbs. / 23.5 kg
VESA Hole Configuration	200 x 200mm (4 hole)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	5-40°C / 41-104°F
Operating Humidity	20-80%
ACCESSORIES	
Included	Power cord, 15-pin D-sub cable, user manual, setup sheet, wireless remote control, batteries, main power switch cover, CD-ROM
Optional	External speakers (SP-3215), stand (ST-3215), tilt wall mount kit (WMK3260-L), Digital Signage Kit (DSK3260)
WARRANTY/SERVICE	
On-Site Limited Warranty	3 years parts and labor, including backlight

