

Densitron's new range of In-cell touch IPS TFT modules which is thinner without a touch layer, is ideally suited to enhancing the rapidly evolving HMI space within multiple market sectors.

Applications where this innovative form factor is most suitable include; portable devices, Test & Measurements, broadcast, home appliances, smart building, smart metering, industry controllers and instrumentation panels.

The displays come in various sizes from 5.0" with a resolution of 720 x 1280 and a 5.5" 720 x 1280 resolution. All of the displays can be fully customised to suit your own requirements.

Product Features

- Sizes available: 5.0" and 5.5"
- High resolutions: 720x1280 for both sizes
- True 24-bit colour depth which provides a 16.7 Million colour depth
- IPS technology which offer an 80/80/80/80 symmetric viewing angles
- The TFT module is designed to operate continuously with a backlight half-life of 50,000 hours and an operating temperature range of -20°C to +70°C
- All modules offer long term availability of 5 years plus
- It has 10-finger Projected Capacitive Touch (PCT) built-in
- 500~550cd/m2 peak luminance as a typical brightness level
- Supports 4 lanes MIPI interface



	Item	Contents	
Product Description	Screen Size	5.0"	5.5"
	Display Format	720 x 1280	720 x 1280
	Colour	16.7M	16.7M
	Active Area	61.78 x 109.82mm	68.04 x 120.96mm
	Outline Dimensions	73.0 x 133.2 x 3.1 mm	75.30 x 131.95 x 3.11 mm
	Viewing Angle	80/80/80/80 Degrees	80/80/80/80 Degrees
	Contrast Ratio	1500:1 (Typ.)	1500:1 (Typ.)
	Peak Luminance	500cd/m ²	500cd/m ²
	LED Backlight Lifetime	50,000 hour half-life	50,000 hour half-life
	I/O	4 lane MIPI	4 lane MIPI
	Power	VCI 3.3V; IOVCC 1.8V	VCI 3.3V; IOVCC 1.8V
	Power Consumption	600mW for backlight	720mW for backlight
	Operating Temperature	-20°C ~ 70°C	-20°C ~ 70°C
	Storage Temperature	-30°C ~ +80°C	-30°C ~ +80°C
	Response Time	30mS	35mS
	Touch	Built-in	Built-in
	Tape Bonding	Optical bonding	Optical bonding
	Weight	45 g	64 g

Industrial In-cell Touch Displays



Size	Part Number	Description
5.0"	DMT050HDNMCM1-1C	5" 720x1280 In-Cell Touch display
5.5"	DMT055HDNMCM1-1C	5.5" 720x1280 In-Cell Touch display

Contact your local sales office at www.densitron.com

Densitron
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Preliminary specifications; subject to change without notice