

# PremierView 20ID

## 20.1" Multimedia TFT-LCD Monitor for Industrial, OEM and Desktop



Calibre specialises in high performance LCD display solutions for industrial, OEM, military and aerospace applications. PremierView features flexible signal capability, excellent motion reproduction and accurate, artifact free image re-sizing.

Calibre's PremierView 20ID is a very high performance TFT-LCD display. Based around Calibre's proprietary PremierView LCD driver technology, it is able to connect directly to a very wide range of video or computer image sources and display images full screen on its 20" viewable diagonal, wide viewing angle screen.

PremierView is one of the most flexible LCD systems on the market able to accept a wide range of input resolutions. PremierView features true autoscanning real-time software algorithms to allow it to be adjusted to suit most non-standard resolutions and signal timings within its resolution, line and field rate ranges.

PremierView 20ID displays real-time Video or computer VGA-SXGA full screen, full-motion in real time, with minimal image throughput delay and no frame rate conversion. High performance scaling algorithms work without compromising image quality or resolution irrespective of the signal resolution implemented. It is compatible with Composite and Y/C (SVHS, S-video) inputs with automatic detection of PAL, NTSC & SECAM video, and/or most computer RGB signals from 640x350 up to 1280x1024. Very flexible wide-ranging picture controls are provided via an on-screen menu. These controls include picture size and position controls as well as contrast, brightness, and colour/hue for video.

A special Slow-Scan model able to accept legacy industrial graphics signals down to 15KHz interlaced or non-interlaced is also available. Compatibility with custom signal timings and resolutions can also be provided as a customer specific option.

PremierView 20ID uses the latest high brightness 20.1" ultra-wide viewing angle 1280x1024 TFT-LCD panel from NEC which features 250cd/m<sup>2</sup> typical brightness, 24-bits per pixel and ultra-wide viewing angles of 85 degrees left/right and up/down. When driven by PremierView, this ensures maximum colour depth and accurate grey-scale reproduction, with no field merging, no field dropping or repetition and no pixel or line dropping to ensure accurate motion reproduction and clean image scaling.

PremierView 20ID is available as a metal cased display unit or as an OEM open chassis module. The metal cased display unit incorporates side mounting points. Cased units include an anti-scratch, anti-glare front viewing window. Touchscreens are also available to special order.

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<b><u>Technical Information</u></b>	<b><u>Model nos., Dimensions and Weights:</u></b>
<p><b>Panel Specification:</b> Viewable image size 51cm/20.1" nominal. Panel resolution 1280x1024. Colour depth 8 bits per colour, 24-bits total. Viewing angles 85 deg L/R/U/D, Panel brightness 250cd/m<sup>2</sup> nominal, Panel contrast ratio 300:1 typical.</p> <p><b>Signal compatibility:</b> <b>Input 1</b> – computer RGB via 15HDD socket. 640x350 up to 1280x1024, 50-76Hz refresh, non-interlaced. Syncs separate TTL/5V positive or negative, negative composite sync TTL level, or negative sync on green consisting of 0.3V sync and 0.7V video.</p> <p><b>Input 2</b> – composite video via BNC PAL, NTSC or SECAM, automatic standards detection.</p> <p><b>Input 3</b> - YC/S-Video via 4-pin Mini-DIN PAL, NTSC or SECAM, automatic standards detection.</p> <p><b>Touchscreen option:</b> Resistive touchscreen with RS232 serial controller. Touchscreen has anti-glare finish, fitted in place of anti-scratch anti-glare viewing window.</p> <p><b>Power requirement:</b> 12VDC at approximately 75W.</p> <p>Desktop unit includes mains PSU, for all other models the mains PSU is an optional extra.</p> <p>Other power options available to order include ground isolated 12VDC, 24VDC and, 28VDC with optional industrial or military grade power filtering.</p>	<p><b>Metal cased unit</b> <b>Farnell Order Code 385-7840</b> Model 51ELCD2603NM3 Size 510x420x107mm Unit weight 8.3Kg, Shipping weight TBA Kg</p> <p><b>Open chassis</b> <b>Farnell Order Code 385-7839</b> Model 51ELCD2603NSC Size TBA mm Unit weight TBA Kg, Shipping weight TBA Kg</p> <p><b>Slow-Scan metal cased unit</b> <b>Farnell Order Code 385-7815</b> Model 51ELCD2703NM3 Size 510x420x107mm Unit weight 8.3Kg, Shipping weight TBA Kg</p> <p><b>Metal cased unit with Resistive Touchscreen</b> <b>Farnell Order Code 385-7827</b> Model 51ELCD2603NM3RTS Size 510x420x107mm Unit weight 8.3Kg, Shipping weight TBA Kg</p>

***To order please contact your usual Farnell Sales Office***

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