

# PremierView30W



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

Calibre's PremierView 30" is a very high performance highly compact and lightweight TFT-LCD display. Based around Calibre's proprietary PremierView4 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 30" viewable diagonal, high brightness screen.

PremierView4 is one of the most flexible LCD systems on the market able to accept a wide range of input resolutions. PremierView4 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. Specific compatibility with non-standard signal timings and custom resolutions can also be provided as a customer specific option.

PremierView 30W uses a 1280x768 widescreen TFT LCD panel for display of real-time Video or computer VGA-SXGA full screen with excellent motion reproduction. Through the standard VGA connector, composite sync and sync on green from high resolution sources such as workstations are also supported. A DVI digital graphics input is available as an optional extra.

A **professional grade video decoder** is available as an option which gives outstanding composite and YC video performance through the use of a 4-line comb filter and vertical noise reduction algorithm. This option also adds a selectable RGB/YUV component video input. SDI serial digital video with PAL or NTSC timings is also available as an additional option. A lower cost standard grade video decoder is also available for less demanding applications.

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/position controls as well as contrast, brightness, and colour/hue for video.

PremierView30W uses a very bright, very high contrast premium-grade widescreen TFT-LCD panel ideal for Public Information Systems as well as industrial, broadcast and OEM use. This is a true 8-bit per pixel panel for excellent greyscale reproduction and colour depth. It has wide viewing angles and a high brightness of 600cd/m<sup>2</sup>. The panel used has exceptionally fast response times of 16mS nominal which are ideal for smear-free reproduction of moving video.

PremierView30W is available as industrial grade metal cased display unit or as an OEM open chassis module. The metal cased display unit incorporates side & rear mounting points. As an option cased units can include an anti-scratch, anti-glare front viewing window.



## Technical Information

### Panel Specification:

Viewable image size 29.53" (75cm) nominal.  
Panel resolution 1280x768.  
Colour depth - 8 bits per colour, 24-bits total.  
Viewing angles - 85 deg L/R/D/U typical  
Panel brightness - 600cd/m<sup>2</sup> typical.  
Panel contrast ratio 600:1 typical.

### Signal compatibility:

**Input 1** – computer RGB via 15HDD socket.  
640x350 up to 1280x1024, 50-75Hz refresh, non-interlaced. (Note: 1280x1024 support is via image downscaling to fit the 1280x768 resolution panel. There may be a slight loss of image quality in downscale mode.)

Syncs: separate TTL/5V positive or negative, negative combined sync TTL level, or negative sync on green consisting of 0.3V sync and 0.7V video.

**Input 2** – composite video via BNC  
PAL, NTSC or SECAM, automatic standards detection. Pro Video model has automatic enhanced-bandwidth monochrome mode.

**Input 3** – YC/S-Video via 4-pin Mini-DIN  
PAL, NTSC or SECAM, automatic standards detection.

**Input 4** – Pro Video Option Only  
RGB or YUV component video via 3 or 4 BNCs.

**Input 5** – Pro Video with SDI Option Only  
SDI Serial Digital Video via BNC.

**Input 6** – DVI Option Only  
DVI Digital Visual Interface, DDC2B compatible for connection to DVI compatible graphics cards.

### Size and Weight - Cased Models:

720mmx466mmx113mm  
13Kg approx including front window

### Power requirement:

Cased model: 24VDC 160W max, includes external 110-230VAC 50-60Hz mains PSU.

Chassis units require mains wiring to screw-terminals on power supply by suitably qualified electrical service personnel.

Alternative power option available to special order: include 115V 400Hz AC aerospace grade PSU.

### Model numbers:

75WXLCD26 xx | zz

| |  
| |M3 = industrial metal case  
| |SC = open chassis  
|

I-01 = VGA analogue only  
I-02 = VGA analogue + DVI  
I-03 = VGA analogue & Std Video  
|-04 = 03 + DVI  
|-05 = VGA analogue & Pro Video  
|-06 = 05 + DVI  
|-09 = 05 + SDI Video  
|-10 = 05 + DVI + SDI Video  
|-11 = Standard video only  
|-13 = Professional video only  
|-14 = Pro Video + SDI

### Note - Front Viewing Window:

Model types -05/06/09/10/13/14 professional grade units include anti-glare anti-scratch front viewing window as standard.

Model types -01/02/03/04/11 low-cost units do not have this window fitted as standard but this can be included as a cost option at time of order.

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