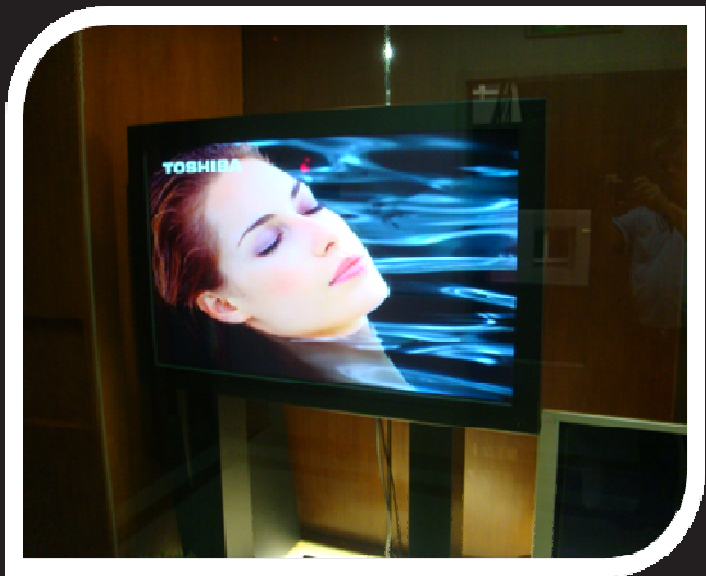


## Digital Signage



## 46" High Brightness Commercial LCD

Screeentech's range of Digital Signage uses commercial quality LCD screens and industrial PC's that have been tried and tested in the harshest conditions operating 24/7.

Our supplied PC software is simple to use, versatile to your needs and you can have either a single screen or multiple screens running your advertising content.

LCD's are not all the same, your local retail store can sell you an LCD that may be able to do what you want, but unless you want to replace it regularly then you need to consider your options.

Screeentech provide as standard:

- **Commercial LCD Panel**
- **Ultra Bright LCD Panel with 1500 nit brightness. Designed for high ambient light area.**
- **In-Built Industrial PC with on-board memory, no need for a control PC to be connected constantly.**

Screeentech Pty Ltd is an Australian business at the forefront of Light Emitting Diode (LED) technology.

Screeentech has designed, supplied and installed a range of visual display and communication systems incorporating light emitting diode (LED) and liquid crystal display (LCD) technology.

Screeentech's expertise is in the design and supply of indoor and outdoor LED screens, LED variable message signs and other visual display and communication systems.



**screeentech**  
LED Technology

[www.screeentech.com.au](http://www.screeentech.com.au)

# Digital Signage

## 46" High Brightness Commercial LCD

Model	ST-46DHC / ST-46DVC
Size	46"
Dimension (Overall)	684mm (w) x 1130mm (h) x 135mm (d)
Viewing Angle	88° (Left/Right/Up/Down)
Brightness	1500 cd/m2
Contrast Ratio	1500:1
Resolution	1366 x 768
Picture Aspect Ratio	16:9
Response Time	8ms
Window Glass (optional)	Anti-Reflection 3mm Glass
Touch Panel System	Optional
<b>Computer Spec</b>	
PCB	ITX
CPU	Intel Celeron M440 1.86Ghz 1ML2-Cache
Memory	2GB DDR2-667 ELPIDA
Amplified Speaker	2.5W + 2.5W
<b>PC Inputs</b>	
USB 2.0	4
Com Port	1 x RS-232 D-Sub 9 pin
VGA Output	1 x D-Sub 15 pin
Audio	Line, Line out Microphone Jacks
Keyboard / Mouse	2 x PS2
Earphone	1 x 3.5mm
<b>Other</b>	
AC Power Input	85VAC ~ 240VAC 50~60Hz
Operation Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 80°C
VESA Wall Mount	600 x 400mm / 800 x 400mm
Body Colour	Black
Weight	45kg



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### Avoid the temptation of buying a retail LCD panel for a commercial application.

Commercial LCD vs Retail LCD for digital signage, do you know to difference?

#### Heat Dissipation

##### **Retail LCD**

- Designed to run approximately 8-12 hours per day, using the off time to fully cool down the LCD
- Requires fans to extract heat buildup during operation
- Designed only for landscape (horizontal) operation

##### **Commercial LCD**

- Designed for operation 24 hours per day, 7 days per week
- Designed for both landscape or portrait operation

#### Picture Quality

##### **Retail LCD**

- *Image Sticking* - As your digital signage display switches from one message to the next, the retail unit may suffer from image sticking. Image sticking is a ghosting effect where the previous message can still be seen as part of the current message for a period of time.
- *Gravity Defect* - Retail LCD's are not manufactured to be placed in the portrait mode (vertical). Placing a retail LCD into a vertical position for a long period of time can produce what is called Gravity Defect. Gravity Defect refers to an excessive cell gap in the panel due to settlement of the liquid crystal material at the bottom of the panel due to gravity when the panel is in an upright state. This causes the image in the top portion of the panel to look blacked out and the bottom portion to look somewhat blurry or squashed.
- *Video Wall* - Retail LCD's are made for single purchase, if you place them into a video wall (multiple panels together) you will not get the same brightness or colour consistent over all the panels.

##### **Commercial LCD**

- *Image Sticking* - Not evident in commercial LCD's
- *Gravity Defect* - Not evident in commercial LCD's as these panels are designed for both landscape mode (horizontal) and portrait mode (vertical).
- *Video Wall* - Commercial LCD's are designed for video walls or multiple panels within an area. Each panel has consistent brightness and colour throughout each panel to give the best picture across all panels.

#### Warranty

##### **Retail LCD**

- Void or significantly reduced for commercial / rental use (refer to manufacturer warranty).

##### **Commercial LCD**

- Standard warranty applies

