



## **LCD Enclosure Solutions and When To Use Them.**

An LCD enclosure is designed to withstand extreme weather from sub zero temperatures of -40°C to soaring temperatures of 60°C (156°F). Ensuring that any digital signage hardware deployed outdoors is protected. These are also used in factories when a wash down solution is required, protecting the display for accidental damage, vandalism and theft. In locations such as:

- Amtrak Stations - 2013 project
- London 2012 Olympics
- Shopping Malls - 2011 project
- Transit Hubs - 2013 project (Gold Gate Bridge Transit)
- Food processing plants - 2012 project
- Educational Facilities – Ongoing contract
- Medical facilities – Ongoing contract (The only US Federal Approved product!)
- Sports Arenas – 2013 project (English Premier League Football Programme)



### **Why DOOH LCD Enclosure Solutions?**

Firstly, DOOH Limited's founder has over 31 years of manufacturing experience, designing and making protective housings for various electronic devices. No other competitor has this experience, as they sub contract the manufacturing out.

Their protective housings provide:

- Lengthen life for the plasma or LCD display, that is a secure, safe and fully controlled environment, providing protection for both dust and water ingress to IP65 and NEMA4



- **Extreme outdoor protection as standard!** Their protective digital signage enclosures come as standard with thermostatic heating and cooling, ***this is what separates them from the competition.*** Optional AC is available.
- **Unmatched security**, made from thicker, sheet steel material than other manufactures, comes complete with high security locks and toughened glass as standard.
- **ROI** – These protective housings allow for hardware to be updated in the future whilst the enclosure can be used for years to come.
- **Applications** – can be used indoors and outdoors.

### **LCD Enclosure additional options.**

For digital signage use we use toughened glass as standard – why? Well if anyone uses polycarbonate sheet in an outdoor environment, the viewing window will need cleaning, but polycarbonate sheet is prone to scratching and then the advertising display will not be seen easily. The only time they offer polycarbonate is when a unit is being deployed in a food processing facility and glass is banned.

**Insulation** – for extreme cold locations, insulation is offered that is 25mm thick and foiled backed, this reduces heat loss and prevents crystals of ice forming within the housing and allows the display to be used in ultra low temperatures, as low as -40°C.

**Venting protection** – their unique venting system allows the units to be power washed without any water ingress into the housing.

AC (Air conditioning) is available, since their project at Qatar airport when the working temperature was 100% humidity at 50°C. These are completely sealed units providing additional cooling in very extreme conditions.

**Bug protection** – secure, bug screens fitted to vented system, stopping bugs entering the protective housing.

### **Competitive advantages of DOOH LCD enclosure units.**

**Cooling system** – their standard cooling system is a dual capacity unit and is twice as efficient as other manufacturers cooling system, this allows the end user to deploy digital signage while keeping the cooling costs down, these units are thermostatically controlled and only work when needed.

**Waterproof gasket** – *A standard product* on all units, to ensure a waterproof seal on the main access door.

**Design of the LCD enclosure** – their protective housing has had over 18 months design and development, this is why their unit does not need additional cooling on the screen face like some competitors. These competitors units are too narrow and cause the screen to fail,



this is why they offer a cooling system on the front of the display.

**Internal TV mounting bracket** – fitted as standard and will accommodate the following VESA patterns: 75x 75, 100x100, 200 x 200, 600 x 400.

### **Who uses DOOH LCD Enclosure Units?**

DOOH Ltd have supplied the following corporations:

- Amtrak
- Disney
- World Wildlife Foundation
- Hawaiian Airlines
- Qatar Airport
- London Heathrow Airport
- McDonald's restaurants

### **Peace of mind guarantee.**

DOOH have a 7 year warranty on their housing, with 3 years on the electronics, this is back the high quality of their product and industry experience. They are the only manufacturer to have insurance should any hardware fail whilst inside their housing, they will replace it free of charge!

### **What their customers say:**

***Peter Dangem, BARTS*** – 'We have used other housings, however DOOH's units provide the most security and at the same time are the most cost effective.'

[Digital signage protection](#)