# HYUNDAI IT Outdoor Display Installation Cases

# Outdoor Digital Signage

**Bus shelter**
Location : Istanbul, Turkey
Product : 46"/ 55" Outdoor Display
Application : Info & AD Screen

**Bus shelter**
Location : Seoul, Korea
Product : 46" Outdoor Display
Application : Info & AD Screen

**Restaurant**
Location : Saint-Baume, France
Product : 46" Outdoor Display
Application : Info & AD Screen

**Golf Club**
Location : Inchon, Korea
Product : 46" Dual Outdoor Display
Application : Advertisement Screen

**Village**
Location : Fiskars Village,Finland
Product : 55" Outdoor Display (Dual)
Application : Info & AD Screen

**Office**
Location : Illerkirchberg, Germany
Product : 55" Outdoor Display
Application : Info & AD Screen

**Shopping Mall**
Location : Oslo, Norway
Product : 46" Outdoor Display
Application : Info & AD Screen

**Museum**
Location : Seoul, Korea
Product : 46" Outdoor Display
Application : Info & AD Screen

**Parking lot**
Location : Stockholm, Sweden
Product : 46" Outdoor Display
Application : Advertisement Screen

**Resort**
Location : Dubai, U.A.E
Product : 46" Outdoor Display
Application : Advertisement Screen

**Toll gate**
Location : Fuji Subaru Line, Japan
Product : 70" Outdoor Display
Application : Information Screen

**Entrance of Subway**
Location : Shinjuku, Japan
Product : 46" Outdoor Display
Application : Advertisement Screen

## Challenge the limit-
### HYUNDAI IT Outdoor Displays endure the severe weather conditions.

Even strong sunlight, snowstorm and rainstorm can't stop
HYUNDAI IT Outdoor Displays from displaying messages
and images with full function operating.

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**HYUNDAI IT**

# HYUNDAI IT

## FEATURES

- IP 65~66 Outdoor Design
- Sunlight Readable Ultra High Brightness
- Anti-Reflection Treatment
- Anti-Vandal Protection
- Non Air Conditioner cooling system
- Landscape or portrait orientation
- Easy Maintenance with Front Door Open Design
- Auto Brightness Control
- Single / dual face design
- Tailored design Capable
- Touch Screen (Option)

## GENERAL SPECIFICATIONS

### Metal Frame Type

| Product Type | | Slim Outdoor(New Model) | | Single screen | | | | Dual screen | |
|---|---|---|---|---|---|---|---|---|---|
| | | Q557MSG | Q757MSG | H325MSV | H467MSV | H469MSV | H557MSV | H467MDV | H469MDV |
| Display Panel | Screen Size | 55" | 75" | 32" | 46" | 46" | 55" | 46" x 2screen | 46" x 2screen |
| | Active Display Area (mm) | 1209.60 x 680.40 | 928.26 x 1650.24 | 698.4 x 392.9 | 1018.1 x 572.7 | 1018.1 x 572.7 | 1209.6 x 680.4 | 1018.1 x 572.7 | 1018.1 x 572.7 |
| | Resolution | 1920 x 1080 | | 1920 x 1080 | | | | | |
| | Brightness (cd/m²; typ.) | 2500 | | 2000 | 2500 | 5000 | 2500 | 2500 | 5000 |
| | Life Time (hours) | 50,000 | | 30,000 | 50,000 | | | 50,000 | |
| | Anti-Vandal Glass with AR Coating (mm) | 8 | | 8 | | | | 8 | |
| Terminals | Input | 1x VGA (D-Sub) \| 1x HDMI \| 1x DVI \| 1x RS-232C | | 1x VGA (D-Sub) \| 1x HDMI \| 1x DVI \| 1x RS232C | | | | | |
| Power Requirement | Operating Voltage | 100 - 240 | | 100 - 240 | | | | | |
| | Consumption (typ.) | 500 | 900 | 195 | 400 | 450 | 500 | 800 | 900 |
| | Heater Block (with PC Case) | Max 850W / Peak 1.2KW | | Max 850W / Peak 1.2KW | | | | Max 1.7KW / Peak2.4KW | |
| Feature | Auto Cooling System | Yes | | Yes | | | | Yes | |
| | Auto Heating System | Yes | | Yes | | | | Yes | |
| | PIR Sensor (Motion detection) | No | | No | | Option | | Option | |
| | Illuminance Sensor (Auto Brightness) | Yes | | Yes | | | | Yes | |
| | Touch Screen | Option | Option (T.B.D) | Option (Detection Method : PCT, Interface: USB 2.0, OS : Windows , Linux , Mac) | | | | | |
| Mechanical | Set dimension W x H x L (mm) | 1334 x 820 x 170 | 1803 x 1081 x 180 | 1120 x 590 x 160 | 1210 x 764 x 235 | 1210 x 764 x 235 | 1403 x 875 x 235 | 1210 x 764 x 401 | 1210 x 764 x 401 |
| | Set Weight (kg) | 120 | 165 | 62 | 87 | | 120 | 120 | |
| | Surface treatment visible surfaces | Powder coated | | Powder coated | | | | | |
| | Mounting | Built-In | | Built-In | | | | | |
| Environmental conditions | Temperature operational (℃) | -30 ~ 50 | | -30 ~ 50 | | | | | |
| | Temperature storage (℃) | -40 ~ 60 | | -40 ~ 60 | | | | | |
| | Humidity (Non-condensing) (%) | 20 - 80 | | 20 - 80 | | | | | |
| Approval | Ingress Protection | IP65 | | IP65 | | | | | |

### Stand Alone Type

| Product Type | | Single screen | | | | | Dual screen | | |
|---|---|---|---|---|---|---|---|---|---|
| | | H325SSV | H467SSV | H469SSV | H557SSV | H757SSV | H467SDV | H469SDV | H557SDV |
| Display Panel | Screen Size | 32" | 46" | 46" | 55" | 75" | 46" x 2screen | 46" x 2screen | 55" x 2screen |
| | Active Display Area (mm) | 392.9 x 698.4 | 572.7 x 1018.1 | 572.7 x 1018.1 | 680.4 x 1209.6 | 928.3 x 1650.2 | 572.7 x 1018.1 | 572.7 x 1018.1 | 680.4 x 1209.6 |
| | Resolution | 1080 x 1920 | | | | | | | |
| | Brightness (cd/m²; typ.) | 2000 | 2500 | 5000 | 2500 | | 2500 | 5000 | 2500 |
| | Life Time (hours) | 30,000 | 50,000 | | | | | | |
| | Anti-Vandal Glass with AR Coating (mm) | 8 | | | | | | | |
| Terminals | Input | 1 x VGA (D-Sub) \| 1 x HDMI \| 1 x DVI \| 1 x RS232C | | | | | | | |
| Power Requirement | Operating Voltage | 100 - 240 | | | | | | | |
| | Consumption (typ.) | 145 | 400 | 450 | 500 | 750 | 800 (400 x 2) | 900 (450 x 2) | 1000 (500 x 2) |
| | Heater Block | Max 850W / Peak1.2KW | | | Max 1.35KW/Peak 2.1KW | | MAX 1.7KW / Peak 2.4KW | | |
| Feature | Auto Cooling System | Yes | | | | | | | |
| | Auto Heating System | Yes | | | | | | | |
| | PIR Sensor (Motion detection) | No | | Option | | | | | |
| | Illuminance Sensor (Auto Brightness) | Yes | | | | | | | |
| | Touch Screen | Option (Detection Method: PCT, Interface: USB 2.0, OS: Windows , Linux , Mac) | | | | | | | |
| Mechanical | Set dimension W x H x L (mm) | 675 x 1700 x 150 | 855 x 2000 x 150 | 855x2000 x 150 | 965 x 2180 x 160 | 1225 x 2250 x 230 | 855 x 2000 x 320 | 855 x 2000 x 320 | 965 x 2180 x 320 |
| | Set Weight (kg) | 120 | 135 | 135 | 149 | 270 | 234 | 234 | 277 |
| | Surface treatment visible surfaces | Powder coated | | | | | | | |
| | Mounting (Bottom mounting) | M10 wedge anchor (6 pcs) | | | | | | | |
| Environmental conditions | Operational Temperature (℃) | -30 ~ 50 | | | | | | | |
| | Storage Temperature (℃) | -40 ~ 60 | | | | | | | |
| | Humidity (Non-condensing) (%) | 20 - 80 | | | | | | | |
| Approval | Ingress Protection | IP66 | | | | | | | |

## Ensure Stable Operations in Any Environment

HYUNDAI IT Outdoor Displays represent state-of-the-art display technology for any outdoor environment.
Even strong sunlight, snowstorm and rainstorm can't stop HYUNDAI IT Outdoor Digital Signage from displaying messages and images with full function operating. By meeting highest industrial standards, they provide a high degree of operational reliability and superior image quality.

### All-Weather Capable Display

Fitted with an intelligent cooling and heating system, the outdoor displays are well prepared for standing any weather conditions. Smart air looping system without air conditioner to protect the LCD Panel against so called black-outs.

*Why not using air conditioner?
Although air conditioner reduce the temperature inside rapidly, which looks better, but enough considerations are required for the issues below.
- energy consumption    - maintenance cost / reliability
- noise pollution    - dampness from the temperature gap inside and outside

### Vandalism Protection

HYUNDAI IT Outdoor Displays should be secured from extreme environmental conditions as well as the impacts on the display surface.
HYUNDAI IT Anti-Vandal glass is bonded with highly durable and optically clear adhesive. This technology provides the perfect solution for outdoor signage protection.

What is an Anti-Vandal Glass?
Vandal Bonding is the technology in which the LCD surface is bonded with the invisible glass thin screen to prevent any damages.

### Smart air looping system

Smart air circulation system without air conditioner protect the LCD Panel against blackout.

*Why not using air conditioner?
- energy consumption    - maintenance cost / reliability
- noise pollution    - dampness from the temperature gap inside and outside

### IP65-66 Conformity

In order to protect the display against outside influences, HYUNDAI IT Outdoor Displays meet the requirements of IP65~66.

Ingress Protection Rating
IP66 rating provides full protection against ingress of dusts and water projected from all direction.

### Improve Readability

A special anti-reflection treatment reduces reflections on the display's surface, therefore clear images can be displayed through the glass against the environmental illumination.

### Easy Maintenance

Experience easy operating and maintenance with HYUNDAI IT Outdoor Displays adopting front open access.