ADVANTECH

Enabling an Intelligent Planet

Innovative Outdoor Display Solutions

Industrial Display Solutions Designed for Outdoor Kiosks

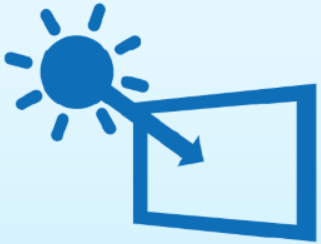
The Challenges of Outdoor Kiosk Display

01 Worsen Touch interference during raining

02 High environment ambient makes panel wash out

03 Direct sunlight increases high temperature

Outdoor Display Features



Excellent Visibility

- High Brightness solution
- Optical bonding solution

High Durability

- IP67 rated front frame
- Wide temperature

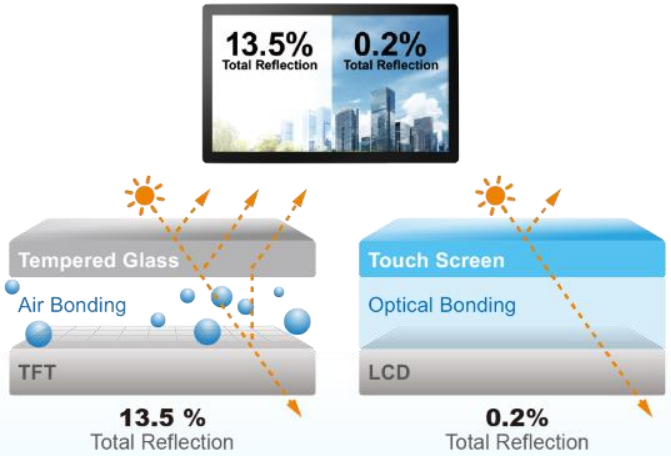
Easy Integration

- Panel Mount design
- Bezel-Less solution

Technology Highlight

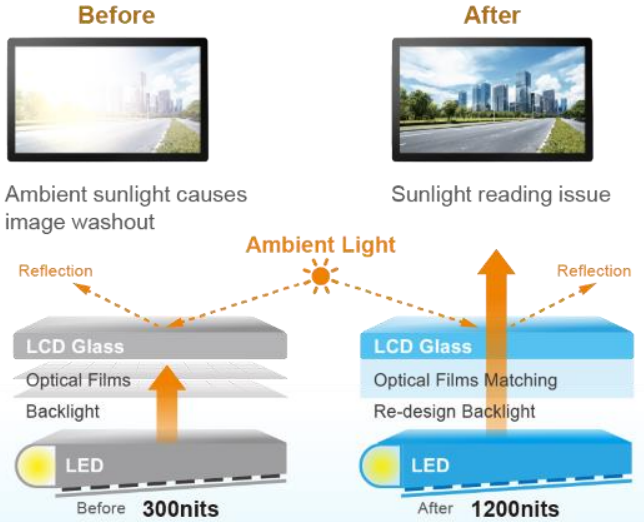
Enrich Display Visibility Performance

Optical Bonding



- Optical bonding solutions prevent problems related to fog and mold delivering high-contrast performance displays

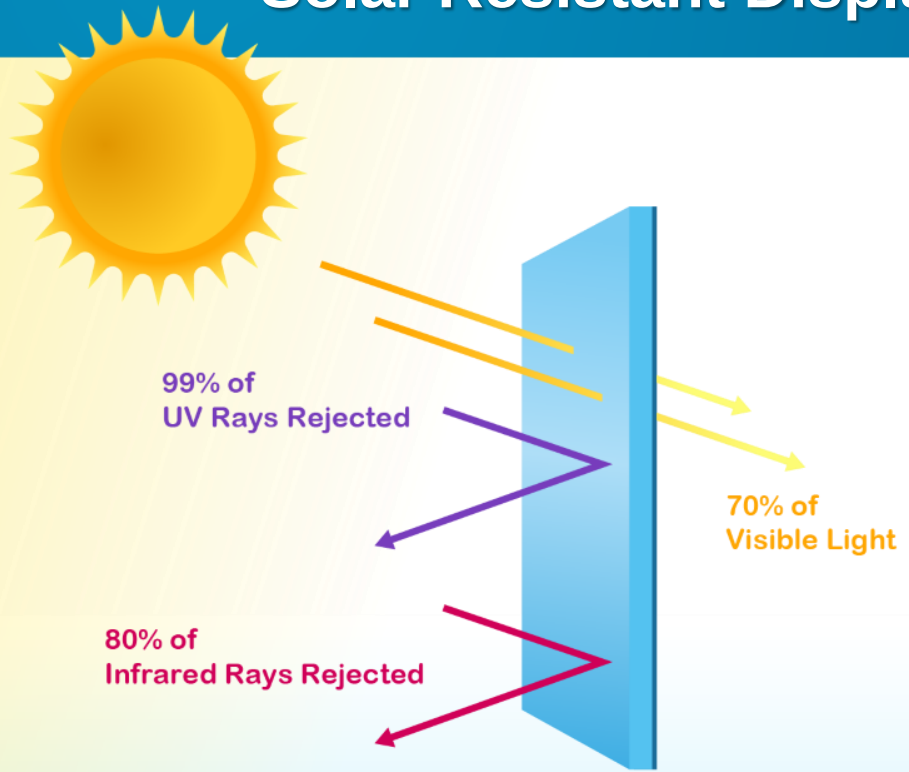
High Brightness



- High-brightness solutions yields color visibility performance
- High reliability to support -30°C~85°C

Technology Highlight

Solar Resistant Display Solution



1 UV resistant solution

Enhance touch display reliability

2 IR resistant solution

Extend display usage lifetime under sunlight
Reduce temperature 5°C

Outdoor Touch Panel Kit

IDK-2000 series

Advanced Display Performance

- High Brightness Solution
- 1000nits ~1500nits
- IPS technology for wide viewing
- High resolution WVGA, XGA, WXGA
- P-cap touch integrated
- Wide-temp from -30˚C ~85˚C

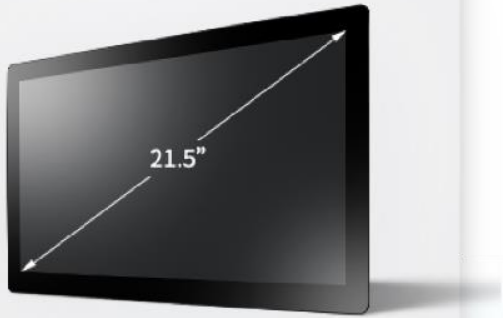
7”	10.4”	10.1”
IDK-2107W 1000nits	IDK-2110 1000nits	IDK-2110W 1500nits

3 x Types of Outdoor Display Accommodate Diverse Needs

IP67-Rated Rugged Enclosure

IDP31-215

Large Screen Size



IDP31-215W K2

Ultra-High Brightness

IDP31-150 K2

Proflat Touch Monitor

IDP31-215 series

Features

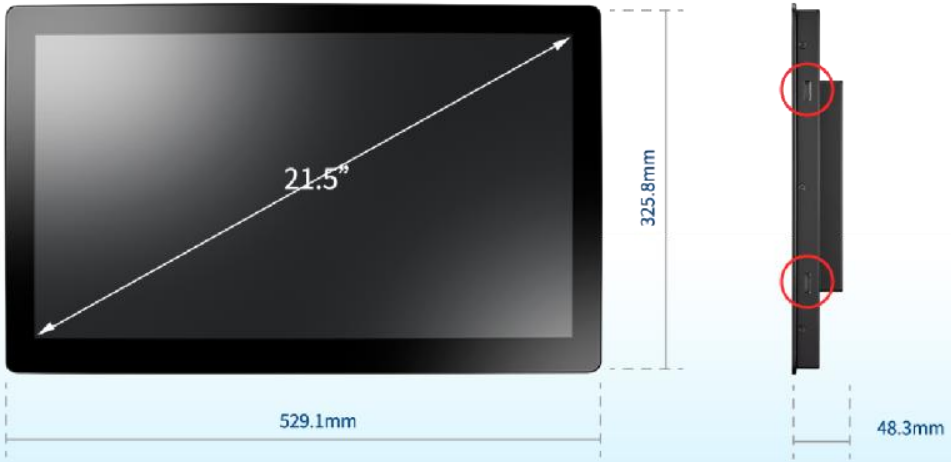
- IP67 Rated front frame
- 250nits / 1200nits option
- P-cap with anti-UV adhesive
- Slim and light weight

Easy Integration

IDP31-215W can be used in either portrait or landscape modes using a VESA mount. This solution's metal chassis creates a rugged and stable platform for a wide range of applications and solutions.

Large Screen

16:9 widescreen aspect ratios are the standard size for most high-definition computer monitors and televisions. It delivers maximum video image performance to signage solutions.



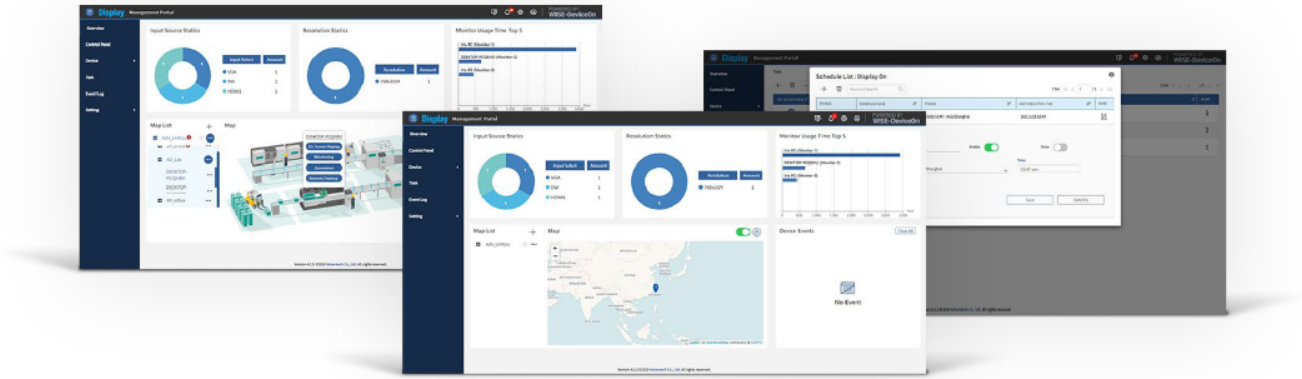
Proflat Touch Monitor

IDP31-150 series

Auto Dimming with Light Sensor

This display features a proprietary local dimming LED backlight technique to produce a high-contrast picture. It uses direct auto dimming to reduce the backlighting in darker areas when compared to lighter areas.

DeviceOn/Display



On Screen Display Control

- Brightness adjustment
- Color temperature

Touch Function Setting

- Touch function enable & disable
- Remote touch calibration
- Remote touch debug

Remote Monitoring

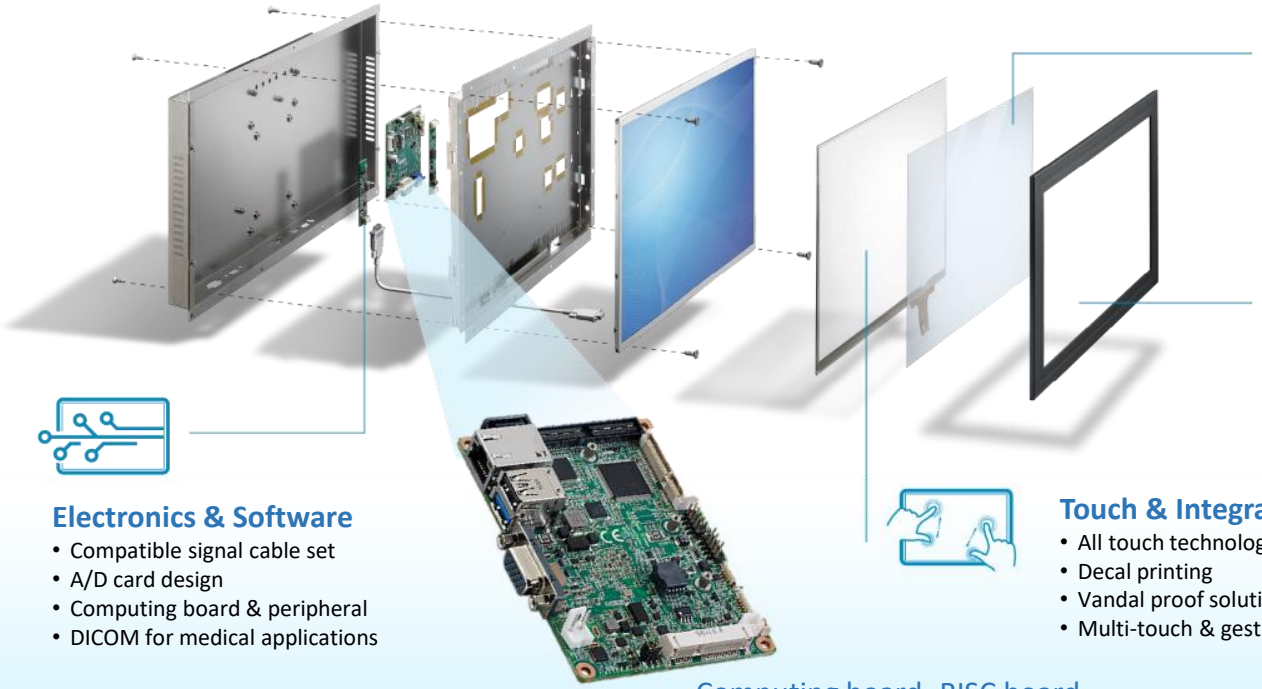
- Backlight lifetime monitoring

Remote Task Management

- Grouping setting
- Power on timer setting

Industrial Display DTOS Services

Full Customization, Tailor-made | Display computing systems



Optical Enhancements

- High brightness up to 2,000 cd/m2
- Optical bonding
- Anti-reflective coating
- Privacy and polarizing filters

Mechanical Design

- Aluminium/ steel/ stainless chassis
- Open, closed frame, proflat designs
- Panel cutting
- Optional IP54/ IP65 solutions

Electronics & Software

- Compatible signal cable set
- A/D card design
- Computing board & peripheral
- DICOM for medical applications

Touch & Integration

- All touch technologies
- Decal printing
- Vandal proof solutions
- Multi-touch & gesture control

Computing board -RISC board

Industrial Display Systems Portfolio

IDK-1000
(Indoor)

IDK-2000
(Outdoor)

IDK – Touch panel kits

Turnkey kits for Advantech SBC

IDS-3100

IDS-3200

IDS-3300

IDS – Industrial monitors

Open frame, panel mount, IP65

IDP31 Series

IDP – Proflat monitors

100% flush touch monitor, IP65/IP67

DSD-5000

DSD-3000

DSD – Digital signage

Ruggedised information displays

CRV – Curved touch monitors

Immersive experience of concave display

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Case Study Sharing

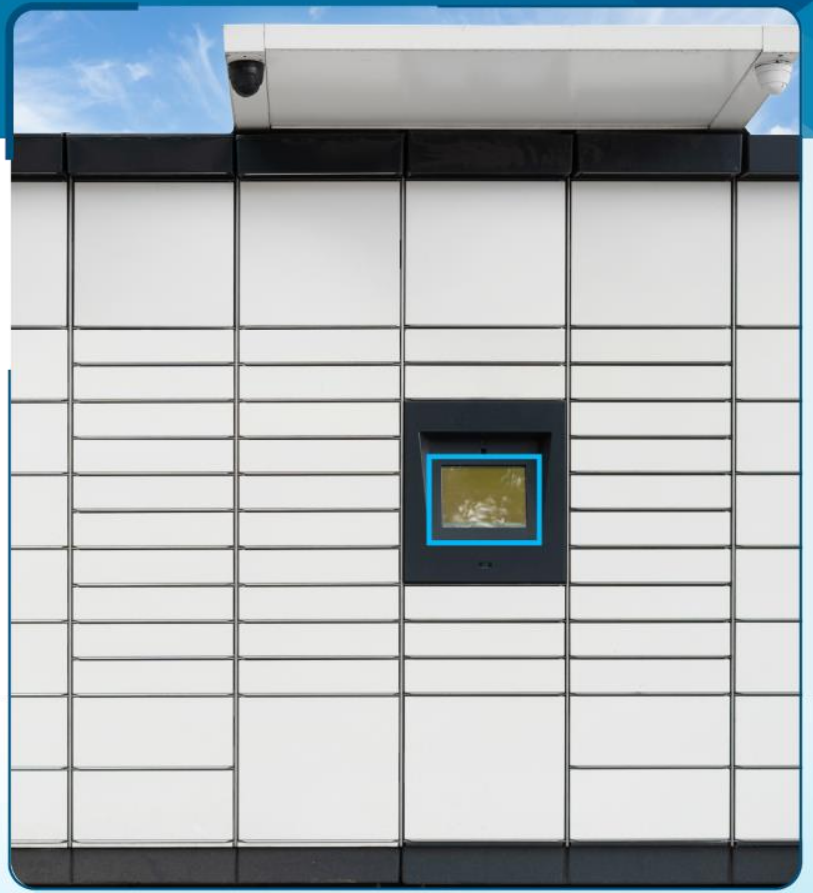
Case Study
Outdoor Luggage Locker

EPC-U2117

IDK-1115WP + AD board

- 15.6” 1366 x 768 resolution
- 500 nits higher brightness , suitable for semi-outdoor environment
- P-cap touch integrated , supporting rubber gloves and water
- USB interface for touch
- HDMI interface for connection with EPC-U2117

Case Study
Outdoor Luggage Locker



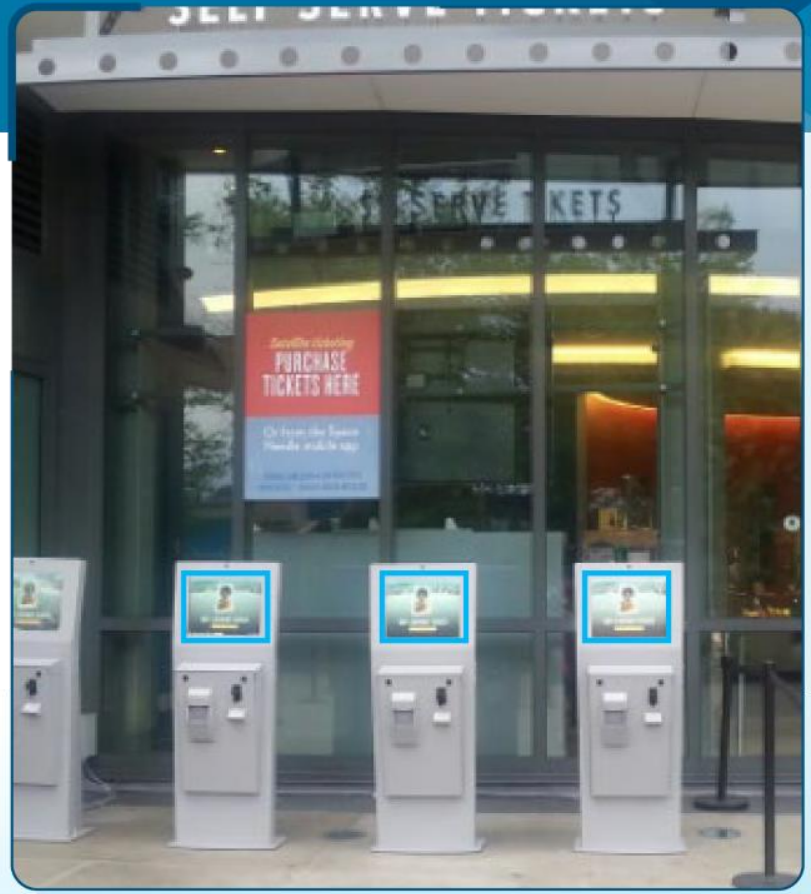
IDS-3315+ UV/IR rejection

- 15” 1024 x 768 resolution
- 500 nits higher brightness
- P-cap touch integrated , supporting rubber gloves and water
- USB interface for touch
- IP65 rated front frame integrated

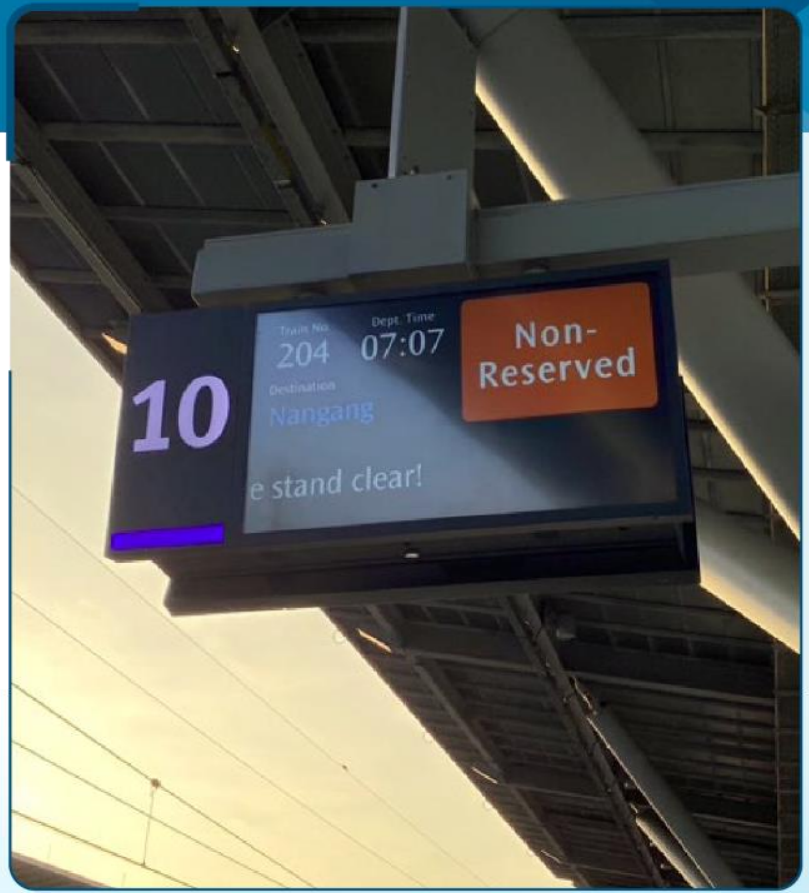
Case Study
Outdoor Ticket Machine

IDS-3315

- 15” 1024 x 768 resolution
- 500 nits higher brightness , suitable for fully or semi-outdoor environment
- P-cap touch integrated , supporting rubber gloves and water
- USB interface for touch
- IP65 rated front frame integrated



Case Study
Passenger Information



DSD-C43

- 43” 1920 x 1080 FHD resolution
- 2000 nits ultra higher brightness , suitable for outdoor environment
- 3mm thickness Protective glass integrated
- Full IP55 rated for water and dust- proof solution
- Operation temperature 0˚C~50˚C