

# アドバンテック 産業用ディスプレイ製品

OKAMOTO

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岡本無線電機  
アプリケーション部

# Industrial Display Systems Portfolio



**DSD – Digital signage**  
Ruggedised information displays



**IDS – Industrial monitors**  
Open frame, closed frame or panel mount



**IDK – Touch panel kits**  
Turnkey kits for advantech SBC



**IDM – Industrial TFT**  
Low cost, long-lifespan Globally supported



**CRV – Curved Touch monitors**  
Immersive experience of concave display



**IDP – Proflat touch monitors**  
Professional grade 100% flush touch monitor

# Key Markets Served



Gaming & Lottery



Industrial & Automation

Rugged Outdoor



Transportation



Medical & Laboratory

Application Demands

Optical Performance



Retail, POS & Signage



Kiosks & Ticketing



Vending & Collection Boxes



Quick Serve Kiosk Outdoor Signage

Enabling an Intelligent Planet

ADVANTECH

# Leading Investment in Equipment

## Panel enhancement

- Large format lamination & IC tools for panel enhancement



## Optical bonding equipment

- Wet and Dry Optical Bonding & De-bubble for perfect optics



## Industrial Display systems HQ

## Optical analysis

- High Power Optical & Thermal Tools For design verification



## Test & validation

- High Spec optical and pattern generating tools for QC control

**ADVANTECH**

Enabling an Intelligent Planet

# IDS-3100/3200/3300

Open Frame Monitors Panel  
Monitors  
Front IP65 Monitors

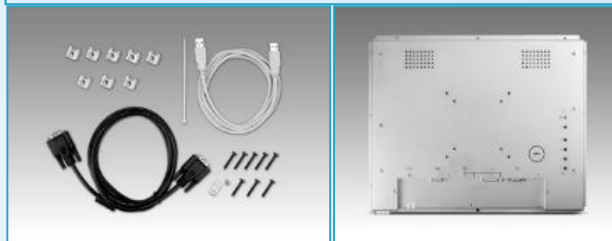
サイズ: 6.5インチ~21.5インチ



# IDS-3000 Slim Industrial Open-Frame Monitors

## Metal chassis for embedded applications

- Versatile sizes: from 6.5" ~ 21.5"
- Mechanical: Open frame and chassis mount options. Slim and lightweight
- Touch: Resistive 4/5Wire & PCAP
- Tough: -20 to +60 operation support
- Reliable: Advantech DQA/QA tested
- Warranty: 2yrs with extension to 5 year



## Touch options

- 4/5 wires Resistive
- Multi-touch PCT
- Cover glass
- Custom options

## IDS-3100 Open-Frame



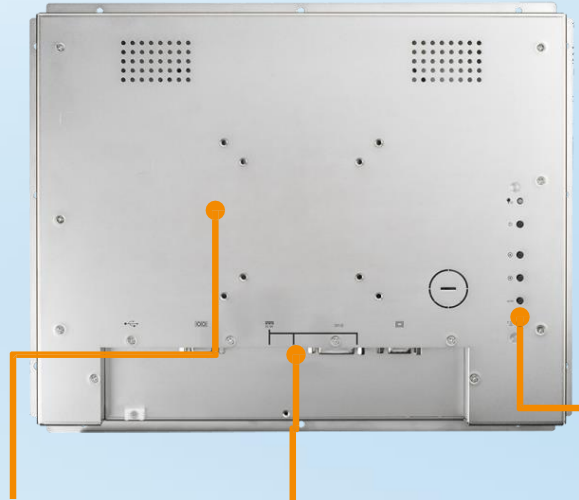
## IDS-3200 Panel Mount

Slim frame for tight spaces

# IDS-3100/3200 Monitor Outlook



**Open front design  
for Embedded  
Applications**



## VESA mounts

- 75 x 75 mm
- 100 x 100 mm

## I/O ports

- VGA
- DVI
- HDMI
- RS-232
- USB

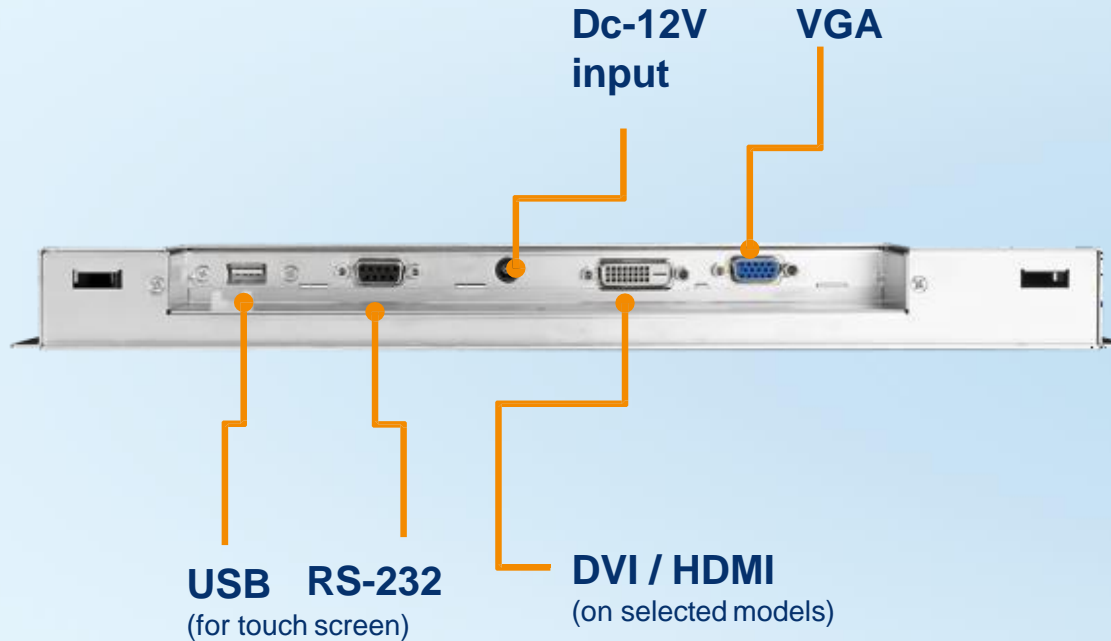
## OSD key

- Power
- Menu
- Auto
- Adjust+
- Adjust-



**Standard Front  
Frame Design for  
Embedded  
Applications**

# IDS-3000 Monitor Interface



## Accessory pack

- Cable clamps
- VGA cable
- USB cable (for touch screen)

# IP65 Monitor



- Front frame IP65 design
- Water and dust resistance
- Outdoor and factory environment suitable

- Multiple signal interface of HDMI and DVI
- Versatile touch solution : resistive and P-cap touch / Glass
- Panel Mounting design

# IDK-1000/2000

Industrial Display Kit  
High Bright Display Kit

LVDS または eDP対応タッチ入力  
ディスプレイキット  
サイズ: 5.7インチ~23インチ

# IDK-1000 Industrial Display kit

## Indoor & Semi Outdoor Use

- Versatile size: from 5.7" ~ 21.5"
- Touch Panel: Resistive 4/5Wire & PCAP Precise Alignment: tooled fixtures
- Reliable: Advantech DQA/QA tested
- Warranty: 2yrs with extension to 5 year
- Compatibility: Proven compatibility with Advantech Embedded boards
- Custom touch screen options

## Protected

- Tempered, toughened or Chemical strengthened
- EN60950 drop-ball option
- IK07/08 impact resistant

## Optional Coating

- Anti-fingerprint
- Anti-Reflective
- Anti-glare



## Single, Dual & Multi-touch

## High Specification

- -20 to +70 operating
- Wide view angle
- 250~400 Nit

## USB/RS232 or I2C

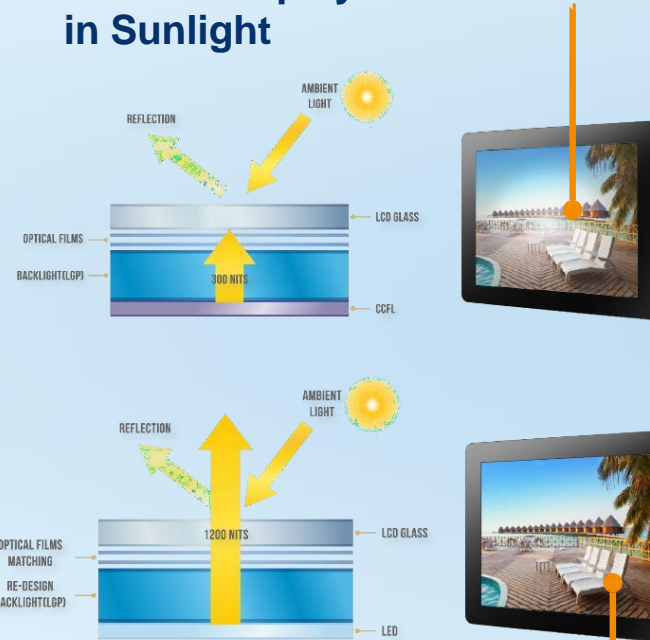
- Windows
- Linux

# IDK-2000 High Brightness Display kit

## Superior Sunlight Readability

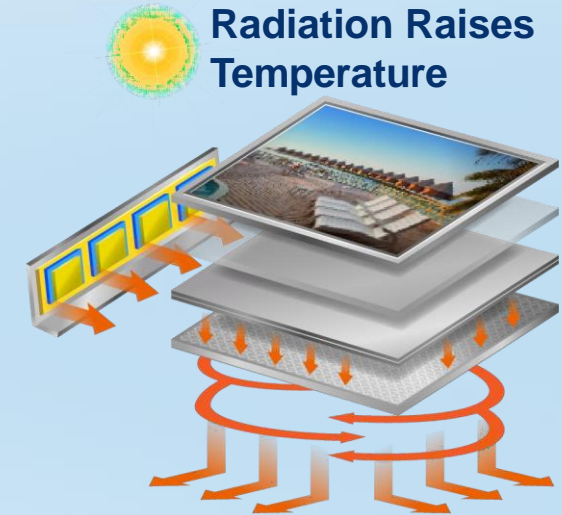
- High Brightness: 700~2000 Nit
- Advantech Thermal Design: Cool surface temperatures 40°C
- Low Power consumption: 20% less than competing models
- Optical Bonding Options: dry and wet optical bonding in-house for super clarity in all environments

## Normal Display washout in Sunlight



## IDK-2000 Perfect Images By High Brightness Process

## Additional Backlight Heat and External Radiation Raises Temperature



## Thermal Cyclone Structure allows for cool running

# IDK-1121MD series



DICOM Part14 Compliance



6-Axis Color Adjustment

- 21.5" FHD 1920 x1080 resolution
- IPS LCD with a DICOM Part14 compliant scaler board
- Supports VGA/DVI/DP interfaces
- Auto brightness sensors and RS-232 remote control(optional)

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# DSD-5000 / DSD-3000

Stretch Signage Display  
Digital Signage Display

# DSD-5000 Digital Signage Stretched Monitor

## Unique Design for Versatile Application

- 38" and 28" form factors with super wide ratio
- 800 nits (38") and 700 nits (28") high brightness
- DVI and VGA multiple signal interfaces
- RS232 remote control available
- 176-/176-degree wide viewing angle
- 50K hr long-lasting backlight life hours
- 50% of power saving from generic LED displays
- Wall mount solution (200 x 100 mm)
- Easy installation and working with systems

## Wide view yet space saving

- Optimized performance
- Ideal for narrow limited public spaces

## Low power consumption

- 50% less power than traditional LED display



## Sunlight readable

- Suitable for semi-outdoor and full outdoor applications

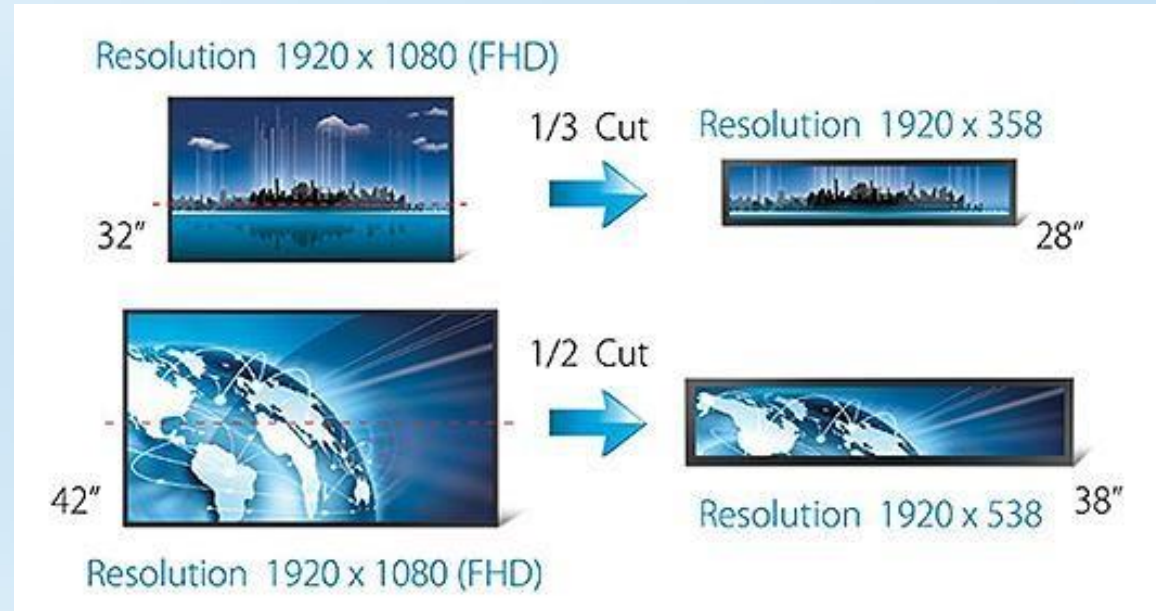
## Embedded integration

- All-in-one digital signage solution with Advantech DS player

# DSD-5000 Digital Signage Stretched Monitor

## Panel cutting technology

- Selected host panel is prepared
- Main panel is cut and re-sealed
- Module including backlight, optical films and new chassis is re-assembled
- Full Advantech warrantee: 2yrs up to 5yrs



# DSD-3000 Digital Signage Monitor

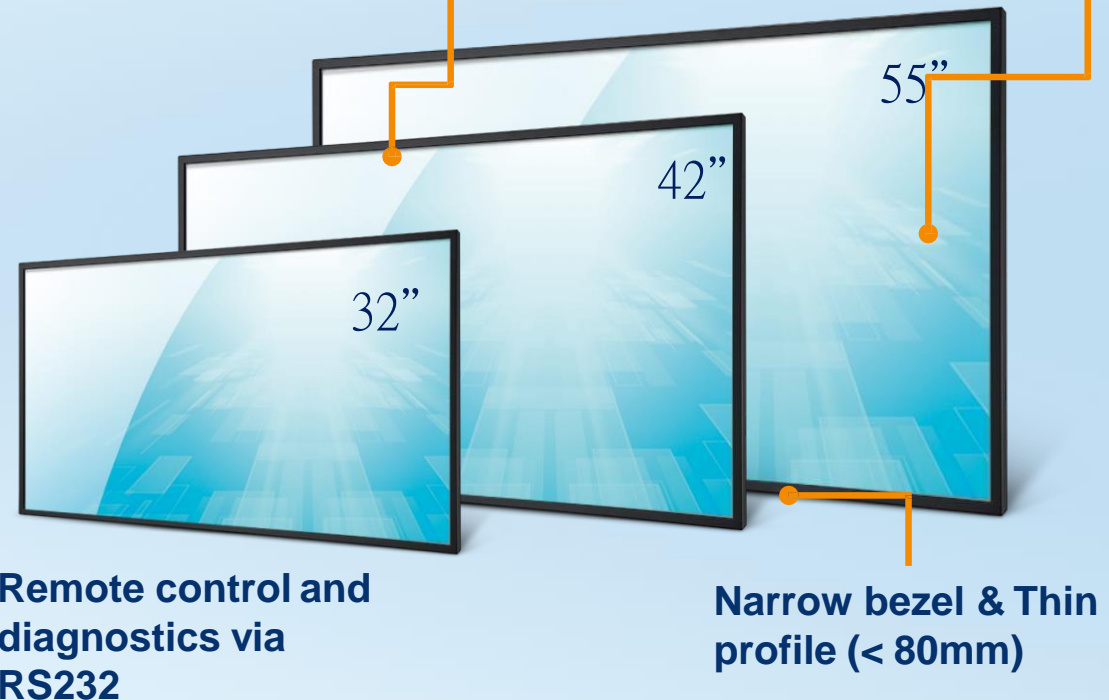
## Robust digital signage solution

- 32" ,42"(will be EOL) , 55" multiple size support
- Full-HD (1920x 1080) content playback support
- Narrow bezel design
- Multiple signal interface : VGA / HDMI / DisplayPort
- Wide view angle of 178° (H)/178° (V)
- Long backlight life time : 50,000 hours
- Optical touch as options , 2 points supported by Win 7
- Compliant with VESA DPMS DVI DMPM
- Compliant with VESA DDC2B

Landscape & portrait orientation

Bright clear images

- 350~450nit brightness
- FHD 1080 resolution



Remote control and diagnostics via RS232

Narrow bezel & Thin profile (< 80mm)

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CRV series

Curved Touch Monitor

# CRV-430W series 43" Curved Touch Monitor



- Radius ratio of 1500
- Immersive viewing experience
- 100% Flush design
- Multi-touch up to 10 points
- Tripic function
- 3 inputs via HDMI interface

Model	CRV-430 Curved Display
Resolution	3840 x 2160
Brightness	450 cd/m <sup>2</sup>
Viewing Angle (H/V°)	178/178
Contrast Ratio	1100:1 (8ms)
Signal Interface	HDMI 1.4 (2 ports) , HDMI 2.0 ( 2 ports), Display Port

## CRV Series - 4K Curved Display Roadmap

- ✓ Wide Viewing Angle
- ✓ Radius 1500
- ✓ Edge to Edge mechanical design
- ✓ Premium Color Performance

Q4, <sup>M-P</sup>2018



CRV-430WP

43" C Type



Q1, 2020



CRV-430JP

43" J Type



Q4, 2020



CRV-550WP

55" C Type

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## LED Strip Solution and Customization



- LED strip design with LED lighting behind
- Easy integration to cabinet

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