



# Win Win Alliance

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## Outdoor TFT Products



# 1. Why choice Data Vision?

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- Data International is OTC company in Taiwan Stock Market.
- Over 20years experiences for Display Modules.
- With good financial statement after re-organization with Solomon Group in 2009 ([www.solomon.com.tw](http://www.solomon.com.tw))
- Can share all resources from Solomon Group, i.e panel, backlight, components ...,etc.
- One of BU at Solomon is official distributor for Hannstar, Innolux-CMO & CPT.
- Flexible manufacture factory in Taipei, KaoShiung and DongGuang incl full product range display from mono STN to TFT display.
- Good reputation and stable supply-sale chain.



## 2. What differs between Data Vision and other suppliers?

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- Advanced Core Technology
- offer a wide range products, and customization services to meet the demand of various mission-critical applications.
- Flexible and short production lead time
- Sufficient Capacity, with 3 factory strive to meet customer's requirements and lead time.
- Strong financial background & manufacturing experience with the support of our Father Company Solomon Group (public-traded in Taiwan), Data Vision has solid financial supporting.
- Cost-effectiveness and resource sharing, centralized purchasing with better price.
- Highly qualified engineers and researchers, more than 20 years in display field.
- Sales/Engineer stand by from AM8:00 to PM11:00 could offer support in time.
- Competitive manufacturing costs and well-trained labor forces
- Total solution \_ whole application assembly: offers design consultation, supplier sourcing, audit and stable manufacture for whole application.
- Related display materials: Touch Panel, PCB,IC, plastic & metal frame, connectors with long-term partners for customer's most convenience.
- With good CRM system to monitor each account and protect registered a/c conflicted via each dist. or agent.

### 3. Product line card we have?

Part Number	Resolution	Optical Bonding	High Brightness	SR Touch	Interface
<b>3.5"</b>					
DTFS035A0SHLX-D00	320 * 240	v	800 nits	v	TTL
<b>4.3"</b>					
DTFS043?0SHLX-D00	480 * 272	v	1000 nits	v	TTL
<b>5.7"</b>					
DTFS057A6SHLX-D00	320 * 240	v	1200nits	v	TTL
DTFS057A4NHLX-D00	640 * 480	v	900nits	v	TTL
<b>7"</b>					
DTFS070A6SHLX-L00	800 * 480	v	1000 nits	v	LVDS
DTFS070A6SHLX-D00	800 * 480	v	1000 nits	v	TTL
<b>8"</b>					
DTFS080A1SHLX-L00	800 * 600	v	1300 nits	v	LVDS

## 4. Features for SR Resistive Touch

### SR Resistive Touch

#### Product Description:

Based on resistive touch technology, we offer the ultra low reflection resistive touch solution for outdoor viewing applications. The benefits of SR-Touch™ includes: (1) **low reflection**, (2) **enhanced contrast ratio**, (3) **enhanced color saturation**, and (4) **outstanding reliability and color stability**.

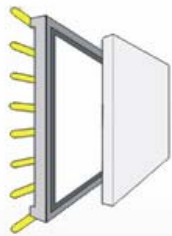
### Example (LCD Image Under Sunlight)

- Available for 4-wire analog resistive touch
- SR-Glass™ available upon request.
- SR-Touch™ + SafeGuard™ vandal proof option available upon request.

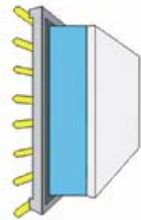


With SR v.s. Without SR in outdoor environment

# 5. Features for Optical Bonding



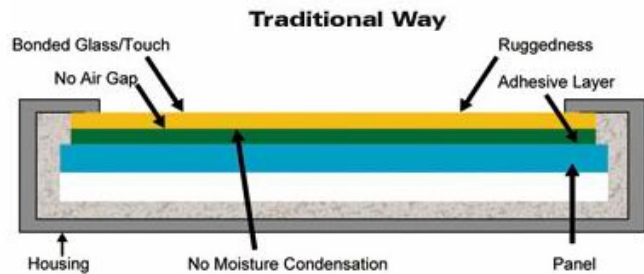
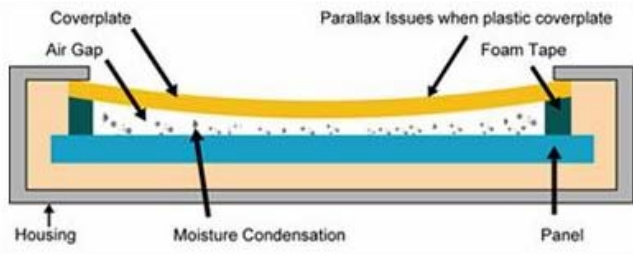
**Traditional way:**  
Use Foam tape to fix the glass  
==> Air Gap



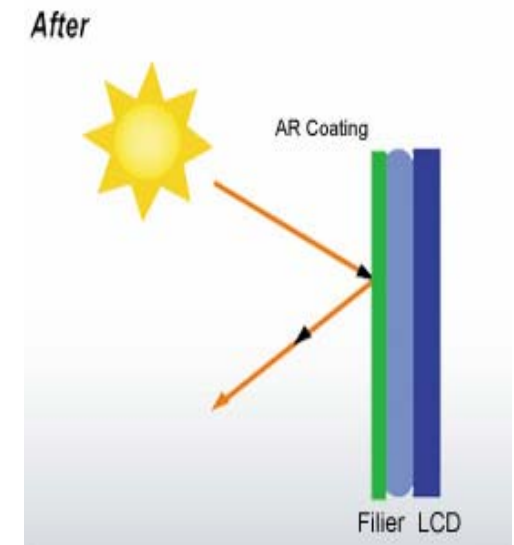
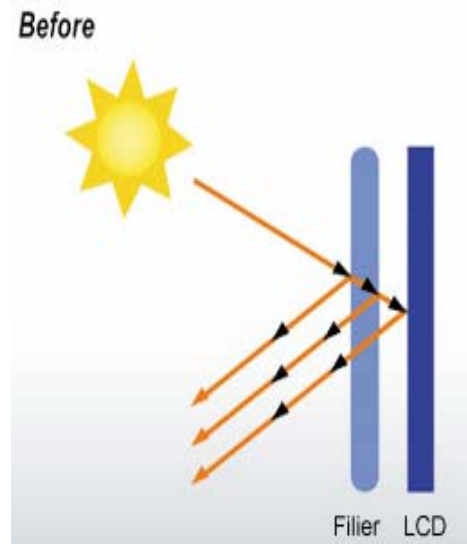
**Optical Bonding:**  
No Air Gap between glass / panel

The benefit to apply the optical bonding onto TFT panel is to improve the optical performance and durability.

With fulfilled optical material between the cover lens and display panel, it is not only to reduce the number of internal and external reflection but also improve the resistance, vibration and moisture.



**Optical Bonding**





## 6. What services we have?

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- LCD/LCM/TFT
- TN/HTN/STN/FSTN LCD/TFT Panels / modules
- TFT panels for Full Cell/ODF cut/FOG
- Custom design panels / modules
- ODM Design: by customer's request.
- OEM cooperation
- Turn-Key assembly

## 7. i.e \_ Outdoor Product 1

7.0 WVGA \_ 600 cd/m<sup>2</sup>



Higher CR picture

AR glass / O.B

Normal glass / W/O O.B



Lower CR picture

## 7. i.e \_ Outdoor Product 2

7.0 WVGA \_ 600 cd/m2



CR RTP / W/O O.B

Normal RTP / W/O O.B

Higher CR picture



Lower CR picture

## 7. i.e \_ Outdoor Product 3



SR + Bonding



LCD &  
regular touch  
No bonding



LCD panel only

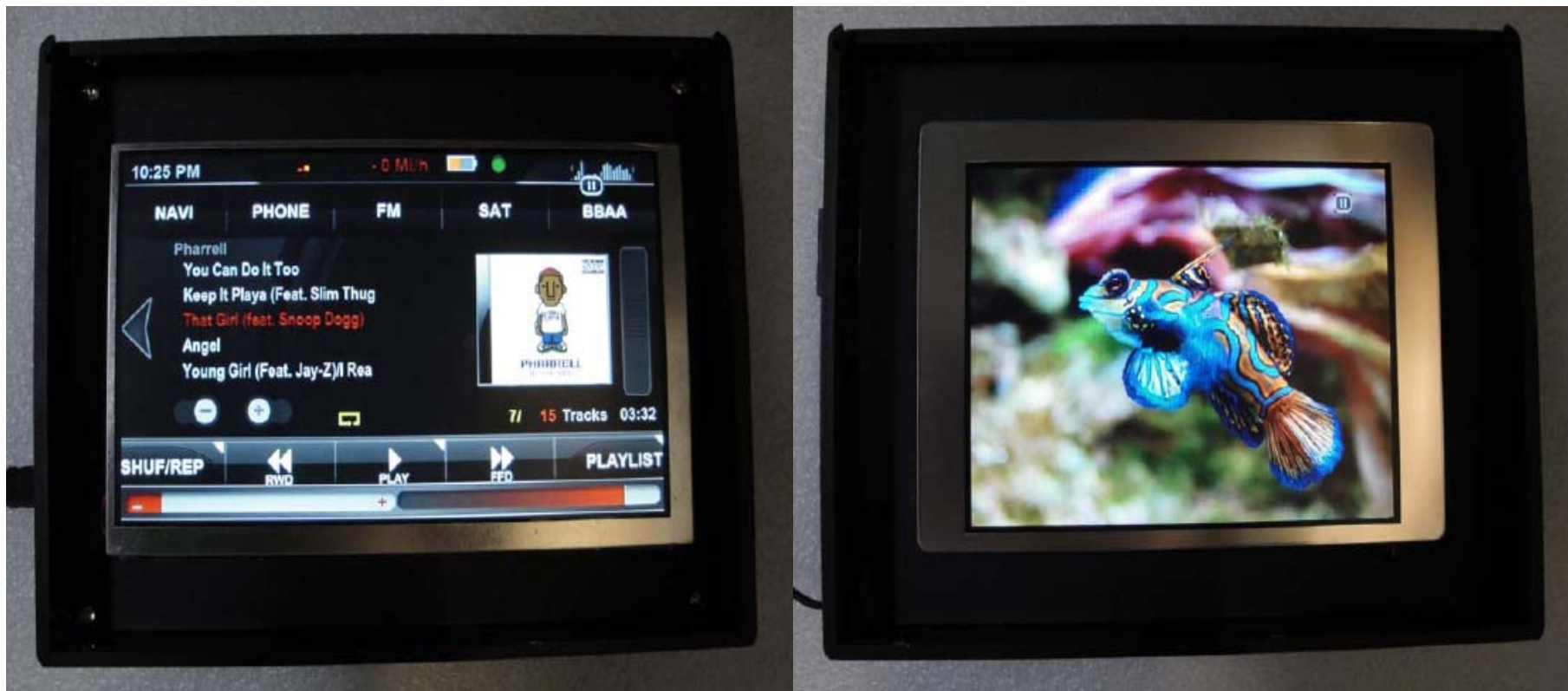
## 7. i.e \_ Outdoor Product 4



NB Display\_200 nits / TM LCD  
DV 7" TFT\_600 nits /AR Glass Bonding / TM LCD  
Mobile Display\_200 nits / TR LCD

## 7. i.e \_ Outdoor Product 5

TFT Demo kit : 3.5 / 4.3 / 5.7Q / 5.7V / 7.0 / 8.0 available



## 7. i.e \_ Outdoor Product 6

- Friendly use SD card demo the images : Film or Photo both available

