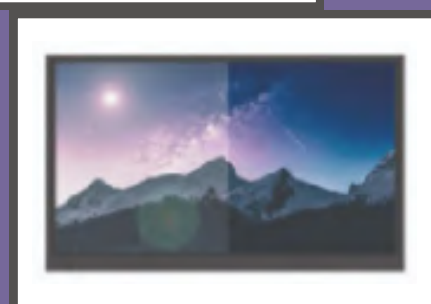
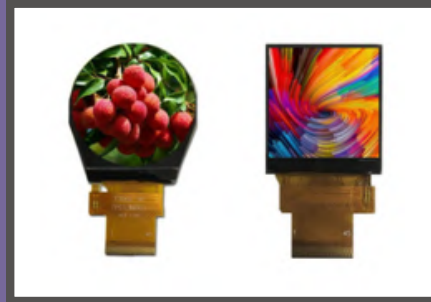


# CRYSTAL DISPLAY SYSTEMS LTD

## Company Presentation 2024

CDS  
Crystal Display Systems Ltd



- Who is CDS?
- Industrial LCD Panels
  - Standard & Bespoke Industrial Monitors
    - Panel PCs
    - Gaming Monitors
    - Transparent Displays
    - Special shaped Displays
    - Enhancement Capabilities
- Professional Tablets
- Full custom & semi-custom design capability & more



# CONTENTS

- [Crystal Display Systems – About us!](#)
- [Industrial LCD Panels](#)
- [Standard & Bespoke Industrial Monitors](#)
- [Panel PCs](#)
- [Gaming Monitors, incl. halo & curved](#)
- [Transparent Display Technology – LCD, OLED, & LED](#)
- [Special Shaped Displays – Stretched, Square, & Circular](#)
- [Glorystar Professional Tablet Solutions](#)
- [IP65 & IP66 Monitors](#)
- [Dual Sided Window Displays & High Brightness Monitors](#)
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# Crystal Display Systems – About us!

**The CDS Philosophy of business** – we are a leading designer, distributor, value added reseller as well as the developer of custom monitors and customization of flat panel display solutions.

Established over 12 years ago, our expertise allows us to offer the best solutions to our clients and partners. We offer Industrial TFT LCDs, OLEDs embedded AIO, touch screens, and digital signage solutions.

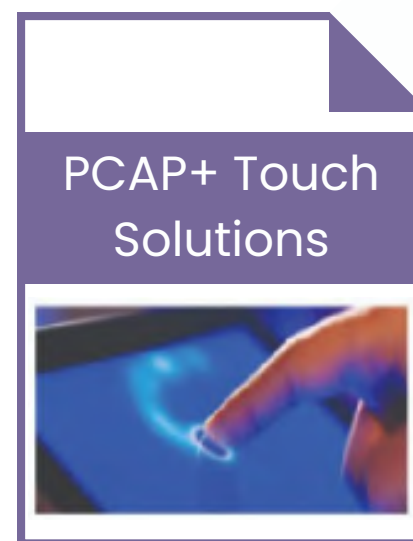
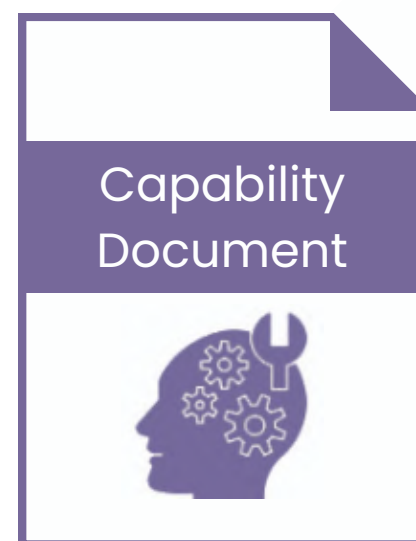
With the CDS philosophy of business we combine the latest industrial and retail displays and technology, engineering and manufacturing capabilities to optimise our integrated solutions.

If you have a requirement for any digital display products then please contact our technical sales and support team to work closely with you on your specific project and requirements.

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## DOWNLOAD FROM OUR KNOWLEDGE CENTRE

*“Use our knowledge to enhance your product”*



<https://crystal-display.com/cds-presentation-download/>

# Widest Range Available - Industrial LCD Panels



**Small Format  
TFTs**



**TFTs with PCAP  
Touch**



**High Bright  
TFTs**



**Small HDMI  
Modules**



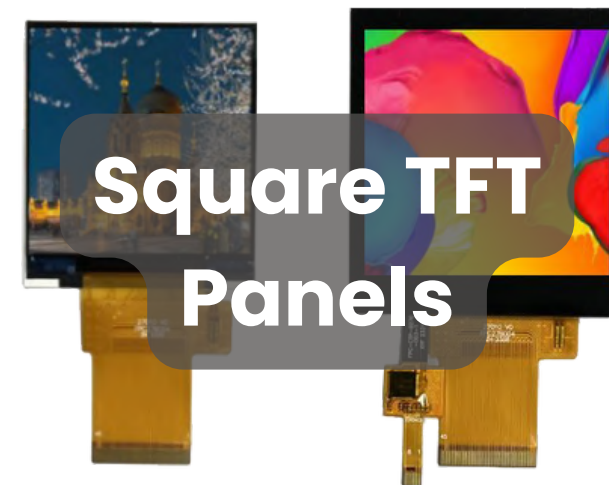
**Bar Type LCD  
Panels**



**Transflective  
TFT Panels**



**Round TFT  
Panels**



**Square TFT  
Panels**



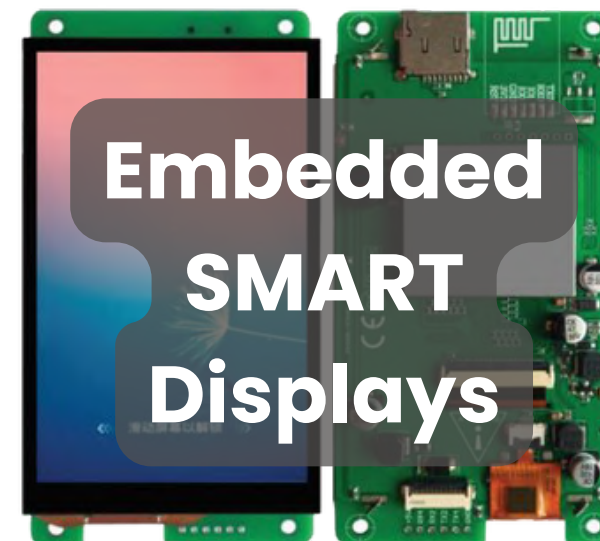
**Wide Temp  
LCD Panels**



**Full Array Local  
Dimming  
(FALD)  
Displays**



**Small  
Industrial  
OLEDs**



**Embedded  
SMART  
Displays**



**Monochrome  
Displays**

# Standard Open / Closed Framed LCD Monitors & Bespoke Designs with our Custom Monitor Builder

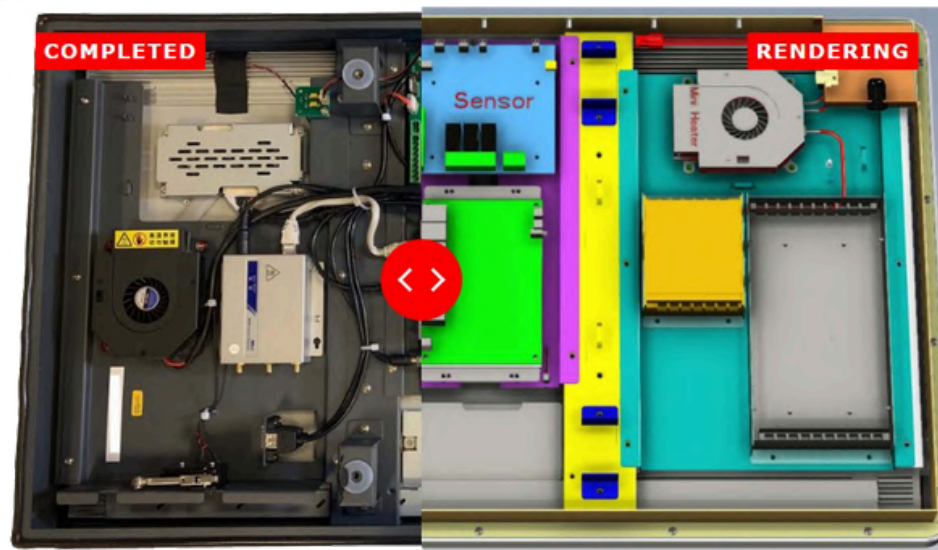


CrystalVUE



CDS specializes in the design and manufacturing of open frame industrial monitors, offering a diverse range of products, including open frame monitors and industrial touch monitors tailored for various applications and markets.

All CDS monitors are available as interactive touch monitors utilising the latest touch technology of your choice which can include Projected Capacitive (PCAP), resistive, capacitive, SAW (Sound Acoustic Wave) and I.R (Infra-Red). This can be single, dual or multi touch with the possibilities of ultra-wide viewing angle or hibrite as well as ruggedised vandal resistant options.



Tailor-made solutions are also provided through the availability of custom monitors and touchscreen monitors, ensuring an optimal fit for your specific needs. Bespoke designs can be form fit and function copies of major branded monitors to save you money and utilise the latest technologies if required, whether it be for smart queue displays, medical grade touch screen monitor, or weather proof kiosks.

[Link to website](#) 

[Link to our monitor builder page](#) 

***“YOU (or we) design it, and WE build it”***

# Industrial All-In-One (AIO) Panel PC Series

Our range of Industrial Panel PCs, HI-REL Industrial Panel PCs, Industrial Boxed PC's and Bespoke Panel PCs are designed for rugged, retail, industrial as well as outdoor markets and applications.

## EmbeddedVUE Key Features of the entire range



- Optimum Performance
- Fanless designs
- High brightness and wide temp options
- Rugged design
- IP65 or IP66 front bezel and optical bonding
- Front or rear mount
- Short lead times and NO MOQs
- Expansion options and flexible OS support
- Bespoke options
- Competitive pricing
- Long term availability
- Suitable for all applications
- High reliability speciality

[Link to website](#)



***“One product = one solution”***

# Casino Gaming & Amusement Monitors Range

*"Bring your games to life"*

CasinoVUE

CDS is a prominent player in the gaming display industry, specializing in winning number displays for casinos, lottery machines, sports betting machines, maximum bet displays, and gaming machines across Europe and the U.S.

Our company is recognized for our unparalleled display performance and commitment to providing reliable solutions. CDS stands out by offering a range of excellent gaming and casino monitors, including square monitors, floating Halo monitors, and curved LCDs.

Our solutions provide versatility and compatibility, offering alternatives to the limited product range of larger multinational competitors. CDS emphasizes collaboration to tailor solutions to the specific needs of our clients.



[Link to website](#)



[Link to halo page](#)



[Link to curved page](#)



# Transparent LCD Technology ClearVUE

*"Are you looking for that WOW factor?"*

## Transparent LCD Displays

- Panels and kits from 12.1" ~ 86"
- PCAP & IR touch overlays
- Portrait and landscape
- Custom solutions incl. in-frame touch and boards

[Link to website](#)



## Transparent LCD Showcase Boxes

- From 12.1" to 43"
- Optional touch
- Finished solutions with LED lighting, just connect to PC or media player
- Custom options available



[Link to website](#)



## Transparent 3DP Displays

- 21.5" ~ 86" display sizes
- Front LCD panel with rear open framed high bright monitor, for integration, creating a dual layered 3D effect
- Interactive touch options

[Link to website](#)





# Transparent Technology Continued – OLED & LED

## Transparent OLED Displays

- High-end premium solution in 55" modules
- Ruggedised with optically bonded front glass
- 38% transparency and 400 nits brightness
- PCAP & IR touch options
- Portrait and landscape
- Full kit or half kit

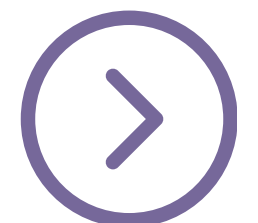
[Link to website](#)



## Transparent LED Displays

- Amazing impact for store fronts and shop windows
- Enhance spaces for the ultimate advertising platform without blocking the natural light
- Modular design which can be built up to any size, up to 7,500 nits brightness
- Transparency up to 85%
- Integrated all-in-one driver LED chip & IC
- Custom options available

[Link to website](#)



***“The displays you can see through and recognise the quality”***

# Special Shaped Displays

## Stretched LCD Monitors StretchedVUE

Huge range of stretched LCD monitors / cut displays / bar type displays from 6.2" to 77.5" up to 4K resolution. High bright and touch interactive options, and enclosed monitors or panels and kits for integration. Unique aspect ratios to catch viewers attention and squeeze into tighter spaces.



*"What shape do you or your customers want?"*

[Link to website](#)



## SquareVUE

### Square LCD Monitors

- 22", 26.5" 33,2", 35.2", 35.6", 42.1" and 59.8"" sizes
- versatile inputs
- durable & robust
- touch options

[Link to website](#)



## CircleVUE

### Circular LCD Monitors

- 23.6" true circle
- up to 1,000 nits
- AR / AG glass options
- optical bonding and IP rated options
- custom options available

[Link to website](#)



# Glorystar Professional Tablet Solutions



*"Power at your fingertips"*



[Link to website](#)



## Nebula Kiosk Tablet Range

- Comprehensive self-service kiosk with **Android**
- Commercial grade and powerful processing power
- Range of optional add-on peripherals, offering flexibility in its usage and applications
- Three versions available, all in 10", 15.6" or 21.5"
- Nebula Generation 1 Cortex A17, Quad core 1.8GHz
- Nebula Generation 2 Quad Core ARM Cortex A55@2.0GHz
- Nebula Lite Quad Core ARM Cortex A53 @1.5GHz
- And Bonus 10" Nebula Glow with HALO LED surround

## Ultron Windows Touchscreen Computer

- Similar to the Nebula but with a **Windows** based platform
- Also available in 10", 15.6", and 21.5" models
- Ultron is pre-installed with Windows 10IoT with Win32 apps and optional license. Optional Windows 10 or Linux 32/64 bit
- CPU options - Intel Celeron J1900 / J6412, Intel Core i3-8145U, or Intel Core i5-8265U



[Link to website](#)



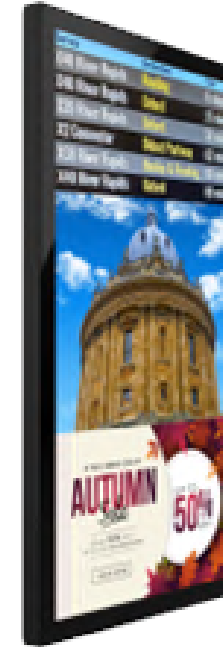
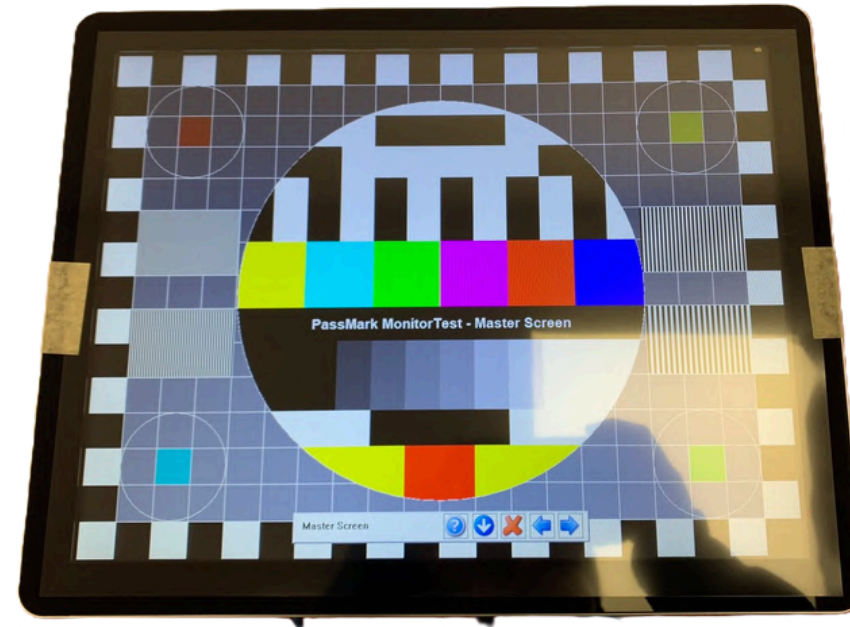
# Outdoor Solutions IP65 & IP66 Solutions

OutdoorVUE

*"Whatever the weather, whatever the conditions, we've got you!"*



**IP65**



**IP66**



- Open framed or enclosed IP65 front faced monitors for integration
- From 5.7" right up to 86"
- Wide viewing angles & wide operating temps
- Chassis, chassis mount, stainless chassis, flush mount or rack mount
- High brightness up to 1,000 nits
- Optional ambient light sensor & optical bonding
- Robust, user friendly, and superb visual performance
- Designed to withstand challenging environments
- Durable and reliable in a multitude of applications including outdoor kiosks, industrial automation and more

[Link to website](#)



- All-In-One IP rated waterproof monitors and displays – Ultra Thin 91.5mm
- 32", 43", 49", 55", 65", and 75"
- Sunlight Readable High Brightness LED Backlight
- True IP66 sealed – front and rear, no fans, no vents, no filters
- Galvanised Steel + zinc plated + fine grain powder triple coating
- Tempered Glass with AR coating
- Transmissivity > 93%, Reflectivity < 2%
- Operating Temperature -20°C to +50°C / Operating Humidity 5% to 98% / Operating Altitude (m) 2000
- WIFI standard (4G Optional)
- Inbuilt PCAP touch optional
- Customisation available

[Link to website](#)



# Dual Sided Window Displays & High Brightness Monitors

*"Inside or outside, the image quality is amazing"*



## Dual Sided High Brightness Window Displays

### WindowVUE

- 43", 49" and 55"
- Brightness options - 2500 / 700, 1500 / 700, 700 / 700 / 300 and 400 / 400 nits
- Two displays back to back and still only 48mm thickness
- Lower brightness side for indoor and higher brightness side for outdoor, doubling your advertising space
- Android OS / Windows OS / or HDMI input
- Easy access for maintenance

[Link to website](#)



## High Brightness Monitor Range

### BrightVUE

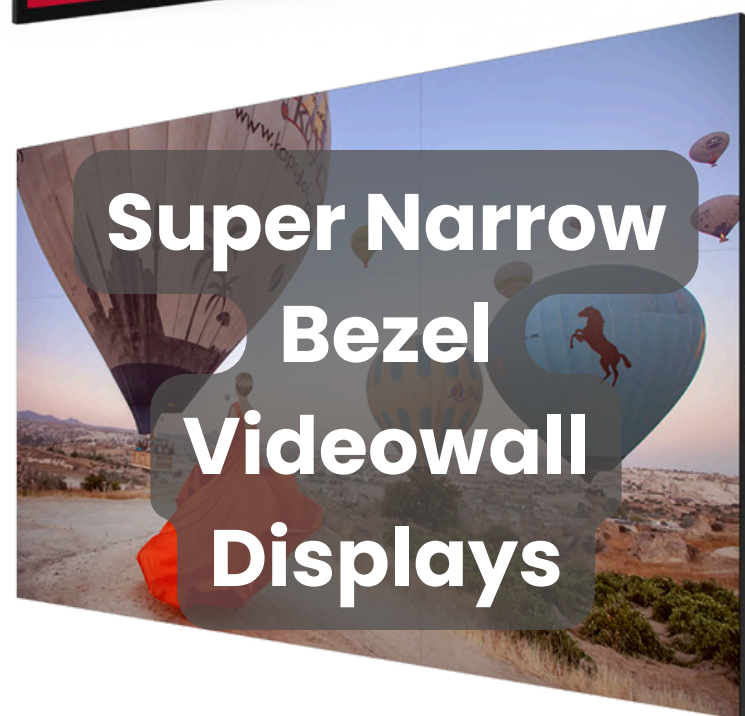
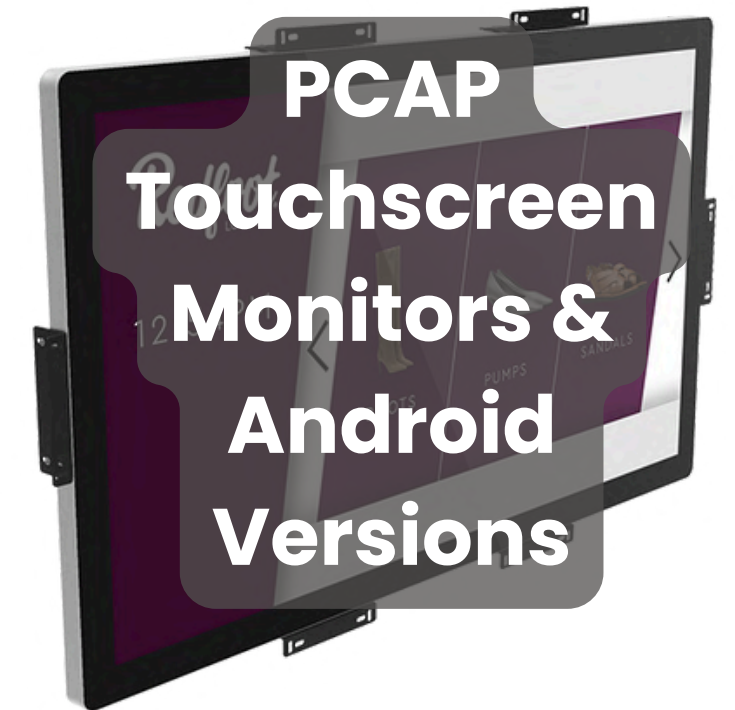
- From 7" right up to 75"
- Up to 6,000 nits brightness
- Extended operating temperatures
- Ultra resistant blackening 110°C panel options
- Open framed or closed framed chassis
- Touch options available
- Optical bonding optional
- Full custom solutions available

[Link to website](#)



# Standard Digital Signage Range

*"Whatever your application, we have a solution"*

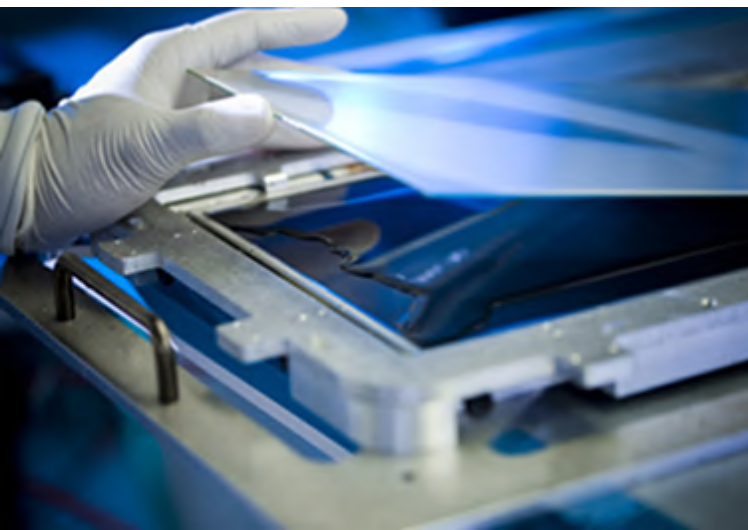
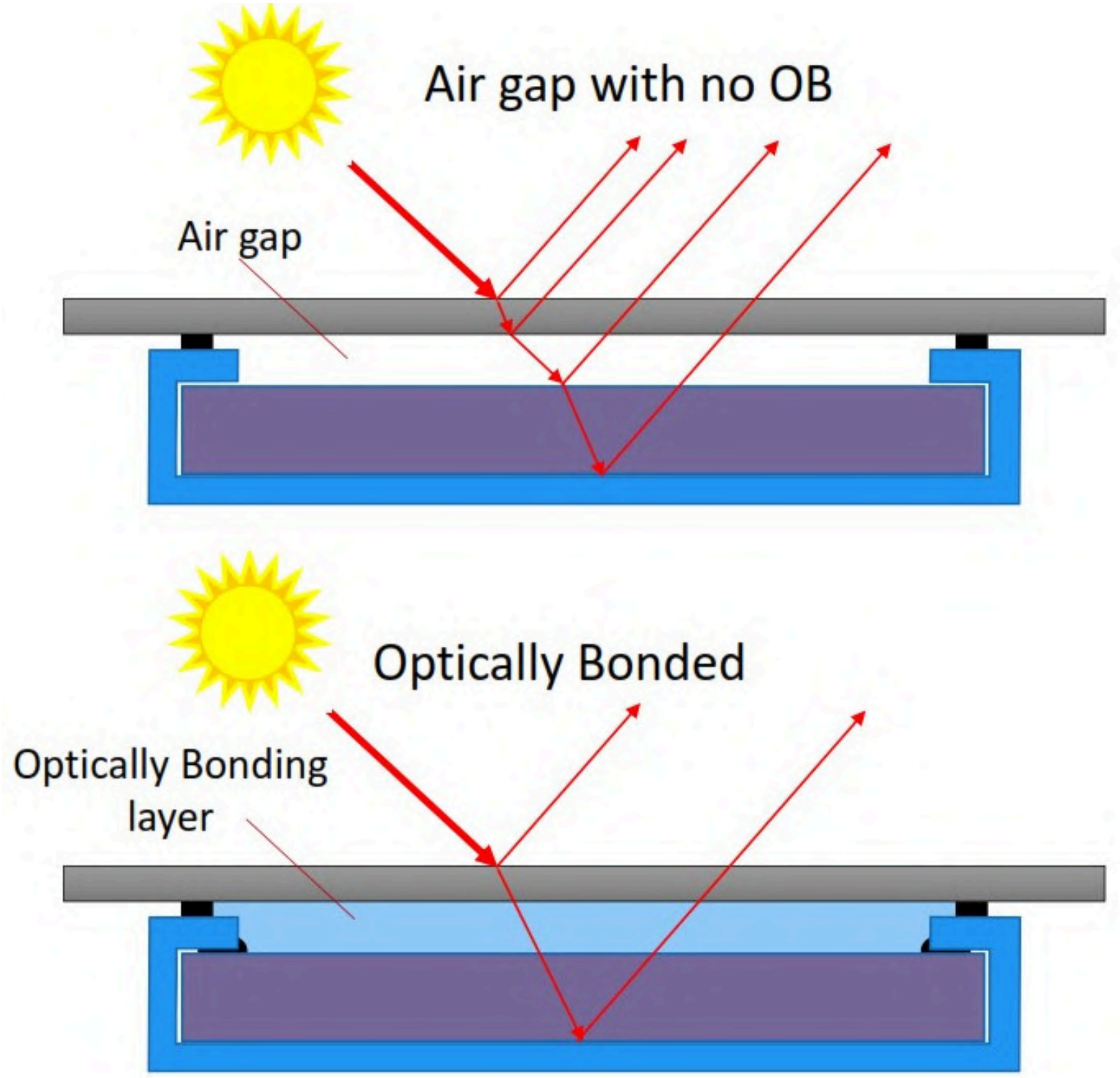


# Value Added Services & Enhancement Capabilities

*“We add value to you and your applications”*

CDS offers optical enhancements for displays, including Anti-Reflection Enhancement Film, AR glass, or full optical bonding. Optical bonding involves filling the air gap between the LCD and substrate, eliminating light refraction and reflection, improving display legibility in direct sunlight.

It also acts as a barrier against condensation build-up and provides UV protection for outdoor applications. The bonding, combined with an LED backlit panel, reduces energy consumption compared to high bright products. CDS can customize solutions based on panel and substrate types, addressing specific project requirements, timelines, and budgets.



Link to website 

# Our Customers Include...

*"Our reputation and customers do not lie"*



## Our Testimonials



“

”

"The CDS team were really helpful in sorting out an order for an IP rated LCD monitor. Their communication and assistance were professional and timely and I wouldn't hesitate to use them again in the future or recommend them to others in the industry."

"We use over a dozen of the ultra-wide touchscreen monitors and have had nothing but good results."



“

”

"CDS are a pleasure to work with and quite helpful in assisting with finding the right product. The team are very responsive, and followed up to ensure we received the product and that our experience was a positive one."

"A great partner! The team are always very helpful with anything I request now matter how unique the project."



“

”

"Ash Hawkes and Meghan Mudge are great at taking care of our needs. I would highly recommend CDS for any business looking for a custom solution. The CDS team is very attentive and dedicated to customer service. They made the whole process painless and easy. The level of customer service they have provided makes me excited for the future of our business relationship. Keep up the fantastic work!"





**Need any additional information?  
Just contact us and we will amaze you, thank you**

Our team is always available to help you with pricing details, technical support, or any additional information you may need. Please don't hesitate to reach out.



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