

Transparent Displays by DATA MODUL

In times of IOT and smart technologies, unique product designs for modern applications are more than ever in demand more than ever. Transparent displays open up new, unimagined possibilities to implement high-quality and exciting display solutions. Our transparent display portfolio includes various technologies and features that enable you to implement attention-grabbing applications. From smart home to POS applications, there are almost no limits to the possibilities.

But our product range is also technically convincing - brilliant colors, high contrast and viewing angles of up to 360 ° are just some of the key factors. In addition, we offer a wide range of value-add options such as touch integration or the development of suitable driver solutions.

Applications

- > Augmented reality (e.g. smart glasses)
- > Smart home
- > Digital Signage (e.g. free-standing showcases or free-standing video walls)
- > Advertisement
- > Windows
- > Luxury retail area & showroom designs
- > Vending machines
- > Head-up displays
- > Sport and smart watches
- > Smart garments and smart shoes

Technologies & Sizes

- > Passive-Matrix OLEDs (PMOLEDs): 1.51", 4.1"
- > Active-Matrix OLEDs (AMOLEDs): 55.0"
- > TFT-LCDs: 19.0", 90.0"



Features

- > Up to 360° viewing angle from any direction
- > Very high transmissivity (up to 80%)
- > Low weight
- > Ultra-thin formats (e.g. AMOLED: front film to rear film only 1.72mm; TFT-LCD: <22mm, PMOLED: <1.6mm)
- > Full-color (up to 1 Billion colors), monochrome or segment type
- > Very high contrast for OLED designs (up to 150.000:1)
- > Self-emitting lighting or lateral backlight system

Formats & Resolution

AMOLED:

- > 1920 x 1080 FHD
- > Wide

PMOLED:

- > Segment type (231 Icons) or 128 x 56
- > Wide

TFT-LCD:

- > 1024 x 768 XGA or 1920 x 1080 FHD
- > Square, wide

Value-Add options for transparent displays by DATA MODUL:

- 1) Optional touch integration for advanced user interaction
- 2) Suitable driving solutions developed and designed by DATA MODUL
- 3) Enhancement of transparent displays into sub-modules or end products
- 4) Energy-efficient system solutions based on our ARM and x86 embedded platforms