

**July 2021**

## Winstar OLED Hit Revenue Target & Break Records Highs

The COVID-19 pandemic is still spreading worldwide even though it is slow down by the COVID vaccines developed; the global electronics industry is facing ongoing shortage of various upstream materials, such as ICs, panels and other important key components. Because of the current shortages of materials which makes most of manufacturers are unable to successfully put into production to complete the planned delivery schedule or to improve the lead-time to fulfill customers' needs. Therefore, for those whom are able to get the key component parts and raw materials can provide a better delivery date and achieve sales target.

Winstar, a global manufacturer for display solutions, also faces the impact on shortages of key materials issue. But under the severe shortage of components, Winstar has a unique advantage of 100% owned OLED panel factory. The delivery date and production capacity of the OLED panel can be adjusted by ourselves, so that we can provide customers a faster delivery date than other competitors. Winstar OLED products have the following competitive advantages:

- ▶ Efficiently production control of Low-Volume / High-Mix (LVHM) orders operation
- ▶ Control OLED key production technology and high yield rate and quality
- ▶ Continuously improves production process and capacity
- ▶ Keep improving competitive lead-time

Contribution from our unique advantages of 100% made in house OLED panels; our OLED revenue reached 100.89% over our sales target in June 2021. In the first half of 2021, the cumulative OLED revenue breaks records highs, an increase of 32% over the same period in 2020.



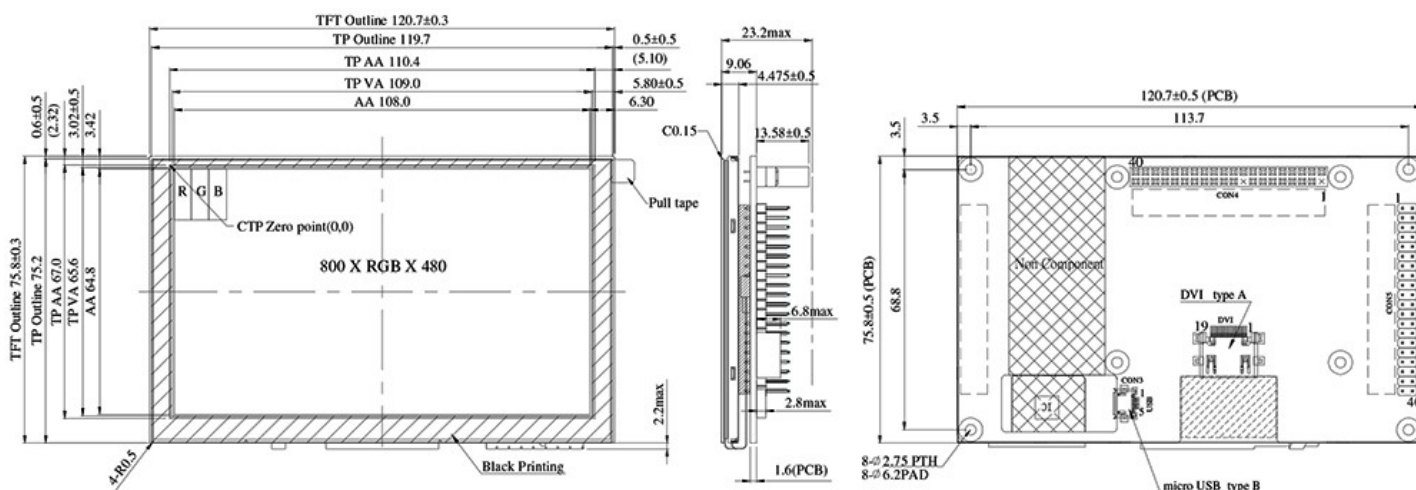
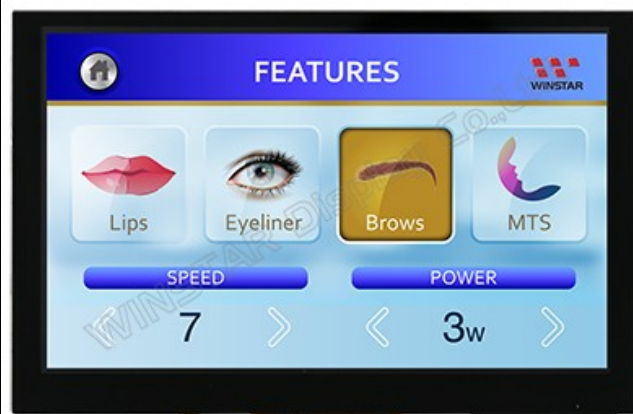


## For HDMI Signal 5" PCAP IPS TFT WF50FSYFGDHGV

WF50FSYFGDHGV is an IPS 5 inch High Brightness 800x480 TFT-LCD module with Capacitive Touch Panel (PCAP). WF50FSYFGDHGV comes with a control board which only supports Raspberry PI system HDMI Signal interface (only DVI). There is a 40-pin GPIO connector on the control board which is designed to make Raspberry Pi usage easy. The control board on module is featured with four mounting holes which is an easy method for customers to fix modules on their applications. WF50FSYFGDHGV is adopts IPS panel which has a wider viewing angle of Left:80 / Right:80 / Up:80 / Down:80 degree (typical value). The brightness is 750 nits (typical value); the Capacitive Touch Panel is built in with ILI2130 IC which supports USB interface. We also offer Resistive Touch Panels (RTP) for WF50F HDMI signal series, available part number WF50FSYFGDHTV (RTP touch screen).

The supply voltage for LCM (VDD) of WF50FSYFGDHGV is 5V, glare surface glass, aspect ratio 5:3, and contrast ratio 1000:1 (typical value). It can be operated at temperatures from -20°C to +70°C and storage temperatures from -30°C to +80°C.

WF50FSYFGDHGV	Dimension
Size	5 inch
Dot Matrix	800 × 3(RGB) × 480
Module dimension	120.7 x 75.8 x 23.2 (Max) mm
Active area	108.0 x 64.8 mm
Pixel pitch	0.135 x 0.135 mm
LCD type	TFT, Normally Black, Transmissive
View Direction	80/80/80/80
Aspect Ratio	5:3
Backlight Type	LED, Normally White
Controller IC	TFP401
Interface	HDMI (only for DVI)
CTP IC	ILI2130 or Equivalent
CTP FW Version	0x07.0x00.0x00.0x00.0xA1.0x25.0x50.0x00
CTP Resolution	16384*16384
CTP Interface	USB
Touch Panel	With CTP (PCAP)
Surface	Glare





## Custom LCD Display Solution

Winstar has many decades of experience in the design of customized display solutions. For many years we help our customers to design and perform semi and fully customized display solutions. Winstar Display is a professional display manufacturer, that's why we can provide clients the perfect solutions for their products since we own know-how of the display manufacturing process and our sales and engineering teams will be with our customers through the entire development process and will ensure the semi or fully customization a successful display tailored made to each individual application.

Our custom design solutions are available in different options according to customer requirements. Winstar can offer various custom designs on display shape or size, silk screen printing, backlight configuration, pin and connector, cable, touch panel or custom cover glass, ZIF or customized printed circuit board, plastic cover/case or a fully custom solution for customers' product applications.

For software, we have total solution. Not only select specific IC for customer, but also we can support host device programming or system integrated solution.

As your best solution partner, we encourage customers to contact our sales department. We will gladly support you with our experience at every stage of the project and help you choose the best technologies and solutions.

We can provide custom solution for STN, TFT, OLED and system integrated solution. Below is the STN customization options as your reference:

