

April 2020

Medical Displays, Winstar Can Help

The COVID-19 pandemic is spreading worldwide around 200 countries. There are more than 2 million people have been confirmed to be infected by Coronavirus. Many people are suffering and the doctors all over the world are trying their best to save their lives. Winstar Group, as a member of global citizen, we hope that we can contribute to doing something to global society.

If you are looking for medial displays for ventilator, ear/forehead thermometer that can fit into your applications, Winstar can help. We have a wide range of standard items of STN/TFT/OLED display modules are available to choose. We are here to help in supporting to supply displays for medical equipments. Below are some popular items for ventilator and forehead thermometer for reference. For more detailed information, please contact our sales persons directly or mail to sales@winstar.com.tw.

Be safe and well, stay home if possible, wash your hands, and practice social distance. We will win this battle with COVID-19 Coronavirus.

Category	Item No.	Application
TFT	WF57ETIBCDAT0、WF57STIACDNN0 WF65BTIAFLNN0 WF70A2TI- AGDNN0、WF70HTIAGDNT0、WF70QTIBGDBT0 WF102ATIAGDNTA	Ventilator
OLED	WEH002004A、WEH002004B、WEO002004C WEO012864K、WEO012864Q、WEO012864U	Ventilator
	WEO012864C、WEO012864D、WEA012864D-03	Forehead Thermometer
STN	WH1602A、WH1602B、WH1602L1、WH1602V2、WH1604A	Ventilator
	WG12864D、WG160128B	Blood warmer for dialysis therapy in the ICU treatment

► [Link to Winstar medial display web page](#)



7" PCAP HDMI Signal TFT WF70A2TIFGDHGV

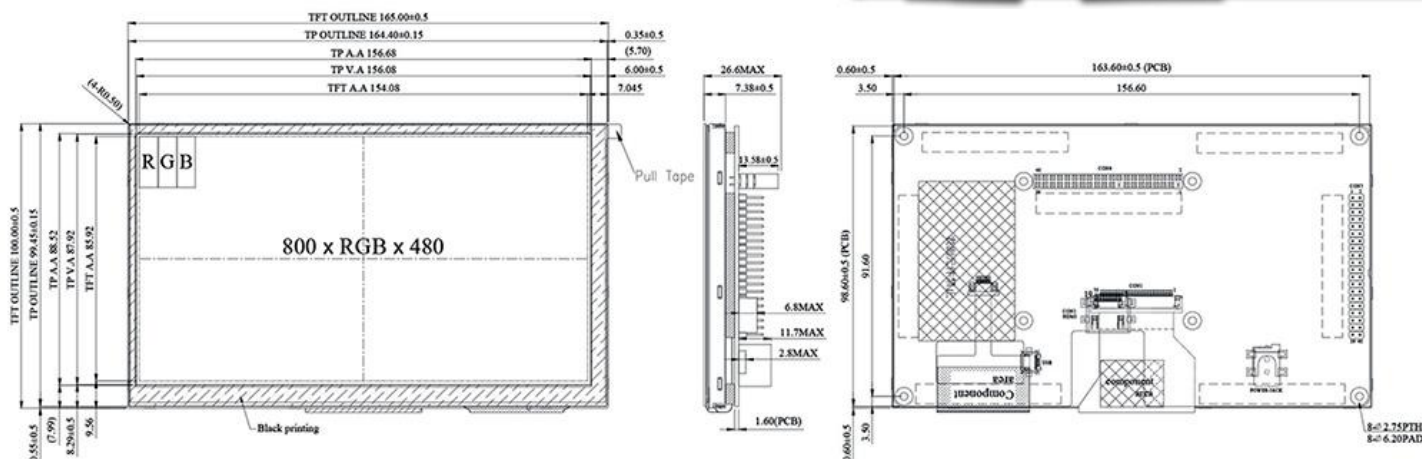
WF70A2TIFGDHGV is a 7 inch supporting HDMI (Only DVI) signal TFT-LCD module with Projected Capacitive Touch Panel (PCAP); it's made of WVGA 800x480 resolution. WF70A2TIFGDHGV comes with a control board which supports HDMI signal interface and a 40-pin GPIO connector on board; it is designed to make Raspberry Pi usage become easily. This display has a USB interface Capacitive Touch Screen overlay on TFT panel. We designed a connector (P/N WWHDMI-00#) and USB cable (P/N OTP1XXXXXXXXXXXX0155) for option, the customers can use it to connect WF70A2TIFGDHGV module with your Raspberry Pi directly. Please note, this part no. WF70A2TIFGDHGV does not include any HDMI connector or USB cable.

WF70A2TIFGDHGV is built in with TFP401 Controller IC convert signal to support HDMI (Only DVI) signal interface, as to the PCAP (CTP) IC is FT5426, it supports USB interface. The supply voltage for LCM (VDD) is typical value 5V. It is featured with Glare surface glass, view direction 12 o'clock, gray scale inversion 6 o'clock.

WF70A2TIFGDHGV: with a 40-pin header connector on board, supports up to Raspberry Pi 3B+ (contain Pi 4B) version. If customers choose to use Raspberry Pi 4 for your project, please note the interface is Micro HDMI; customers need to use Micro HDMI to HDMI cable.

WF70A2TIFGDHG0: without connector on board (do not support Raspberry Pi).

WF70A2TIFGDHGV	Dimension
Size	7 inch
Dot Matrix	800 x RGB x 480(TFT)
Module dimension	165.0(W) x 100(H) x 26.6(D) mm
Active area	154.08 x 85.92 mm
Dot pitch	0.0642 x 0.179 mm
LCD type	TFT, Normally White, Transmissive
View Direction	12 o'clock
Gray Scale Inversion Direction	6 o'clock
Aspect Ratio	16:9
Controller IC	TFP401 or equivalent
Backlight Type	LED, Normally White
TFT Interface	Support HDMI Connector
PCAP IC	FT5426 or Equivalent
PCAP Interface	USB
PCAP FW Version	3
Touch Panel	With PCAP
Surface	Glare





7” Resistive TP HDMI Signal TFT WF70A2TIFGDHTV

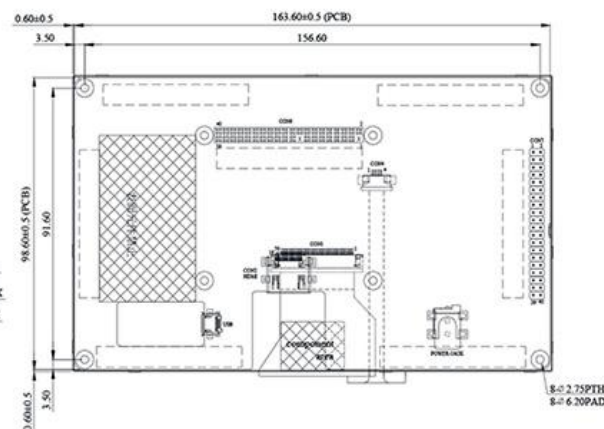
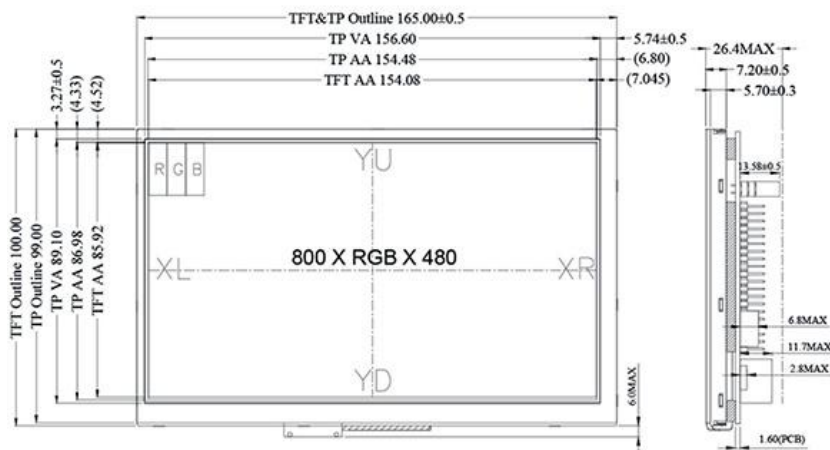
WF70A2TIFGDHTV is a 7 inch Resistive Touch Panel TFT-LCD module which supports HDMI (Only DVI) signal; its resolution is made of WVGA 800x480 dots. WF70A2TIFGDHTV comes with a control board which supports HDMI (Only DVI) signal interface and a 40-pin GPIO connector on board; it is designed to make Raspberry Pi usage become easily. This display has a USB interface Resistive Touch Screen overlay on TFT panel. We designed a connector (P/N WWHDMI-00#) and USB cable (P/N OTP1XXXXXXXXXXXXX0155) for option, the customers can use it to connect WF70A2TIFGDHTV module with your Raspberry Pi directly. Please note, this part no. WF70A2TIFGDHTV does not include any HDMI connector or USB cable.

WF70A2TIFGDHTV is built in with TFP401 Controller IC convert signal to support HDMI (Only DVI) signal interface. The supply voltage for LCM (VDD) is typical value 5V. It is featured with Anti-Glare surface glass, view direction 12 o'clock, gray scale inversion 6 o'clock, aspect ratio 16:9.

WF70A2TIFGDHTV: with a 40-pin header connector on board, supports up to Raspberry Pi 3B+ (contain Pi 4B) version. If customers choose to use Raspberry Pi 4 for your project, please note the interface is Micro HDMI; customers need to use Micro HDMI to HDMI cable.

WF70A2TIFGDHT0: without connector on board (do not support Raspberry Pi).

WF70A2TIFGDHTV	Dimension
Size	7 inch
Dot Matrix	800 x RGB x 480(TFT)
Module dimension	165.0(W) x 100(H) x 26.4(D) mm
Active area	154.08 x 85.92 mm
Dot pitch	0.0642 x 0.179 mm
LCD type	TFT, Normally White, Transmissive
View Direction	12 o'clock
Gray Scale Inversion Direction	6 o'clock
Aspect Ratio	16:9
Controller IC	TFP401 or equivalent
Backlight Type	LED, Normally White
TFT Interface	Support HDMI Connector
RTP Interface	USB
Touch Panel	With RTP
Surface	Anti-Glare



► [Link to Winstar WF70A2TIFGDHTV web page](#)

7" LVDS IPS PCAP TFT WF70A8TYAHLNG0

WF70A8TYAHLNG0 is a landscape mode 7 inch IPS TFT module, with Projected Capacitive Touch Panel, resolution 1024x600 pixels. WF70A8 model is built in with ST5021 and ST5651 driver ICs, it supports LVDS interface, contrast ratio 800 (typical value), brightness 450 nits (typical value), aspect ratio 16:9, Glare surface glass, normally black, transmissive LCD type. The Projected Capacitive Touch Panel of WF70A8 is built in with FT5426 IC which supports I2C interface. This 7" IPS TFT has a wider viewing angle than TN TFT, it's view angle is Left:85 / Right:85 / Up:85 / Down:85 degree (typical value).

The supply voltage (VDD) of WF70A8TYAHLNG0 is from 3.0V to 3.6V, typical value 3.3V. It can be operating at temperatures from -20°C to +70°C and storage temperatures from -30°C to +80°C. We also offer Resistive Touch Panel (RTP) optional for WF70A8 model which P/N is WF70A8TYAHLNT0.

WF70A8SYAHLNG0	Dimension
Size	7 inch
Dot Matrix	1024 x RGB x 600(TFT)
Module dimension	169.9(W) x 103.4(H) x 7.275(D) mm
Active area	154.2144 x 85.92 mm
Dot pitch	0.1506 x 0.1432 mm
LCD type	TFT, Normally Black, Transmissive
Viewing Angle	85/85/85/85
TFT Interface	LVDS
Aspect Ratio	16:09
Driver IC	ST5021 + ST5651 or equivalent
Backlight Type	LED, Normally White
PCAP IC	FT5426 or Equivalent
PCAP Interface	I2C
PCAP FW Version:	V03
Touch Panel	With PCAP
Surface	Glare

