

# HDW070\_A5001L

7.0 Inch, 1024xRGBx600, 16.7M Colors, IPS screen

CTP, HDMI interface display



## Record of Revision

Ver	Revise Date	Content	Editor
00	2022-12-5	First Edition	Kaya

## ● Display

Item	Parameter	Description
Color	16.7M(16777216)colors	24 bit color 8R8G8B
Panel Type	IPS	IPS TFT LCM ,wide viewing angle
Viewing Angle	85/85/85/85 (L/R/U/D)	Best View: symmetrical
Active Area(A.A.)	154.2mm(W)x85.9mm(H)	1024x600
View Area(V.A)	155.0mm(W)x87.5mm(H)	1024x600
Resolution	1024x600	Support 0°/90°/180°/270°rotated display
Backlight	LED	≥20000H (Continuous working with maximum brightness, time of the brightness decays to 50%)
Brightness	250nit	-

Note: You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.

## ● Voltage & Current

Item	Descriptions	
Power Voltage	6~36V, typical value of 12V	
Current parameters	350mA	VCC=6.0V (Minimum starting voltage)
	290mA	VCC=12V (Standard supply voltage)
	130mA	VCC=36V (Maximum supply voltage)

Recommended power supply: 12V 1A DC

## ● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	80	°C
Working Humidity	25°C	10%	60%	90%	RH
ESD	Air discharge ±4KV				
Protective Level	IP65(Front)				

## ● Interface

Item	Conditions	Min	Typ	Max	Unit
Socket	Power interface,HDMI interface,USB interface				
USB Interface	Yes (Connect USB capacitive touch screen)				
SD Card Slot	None				

- **Peripheral**

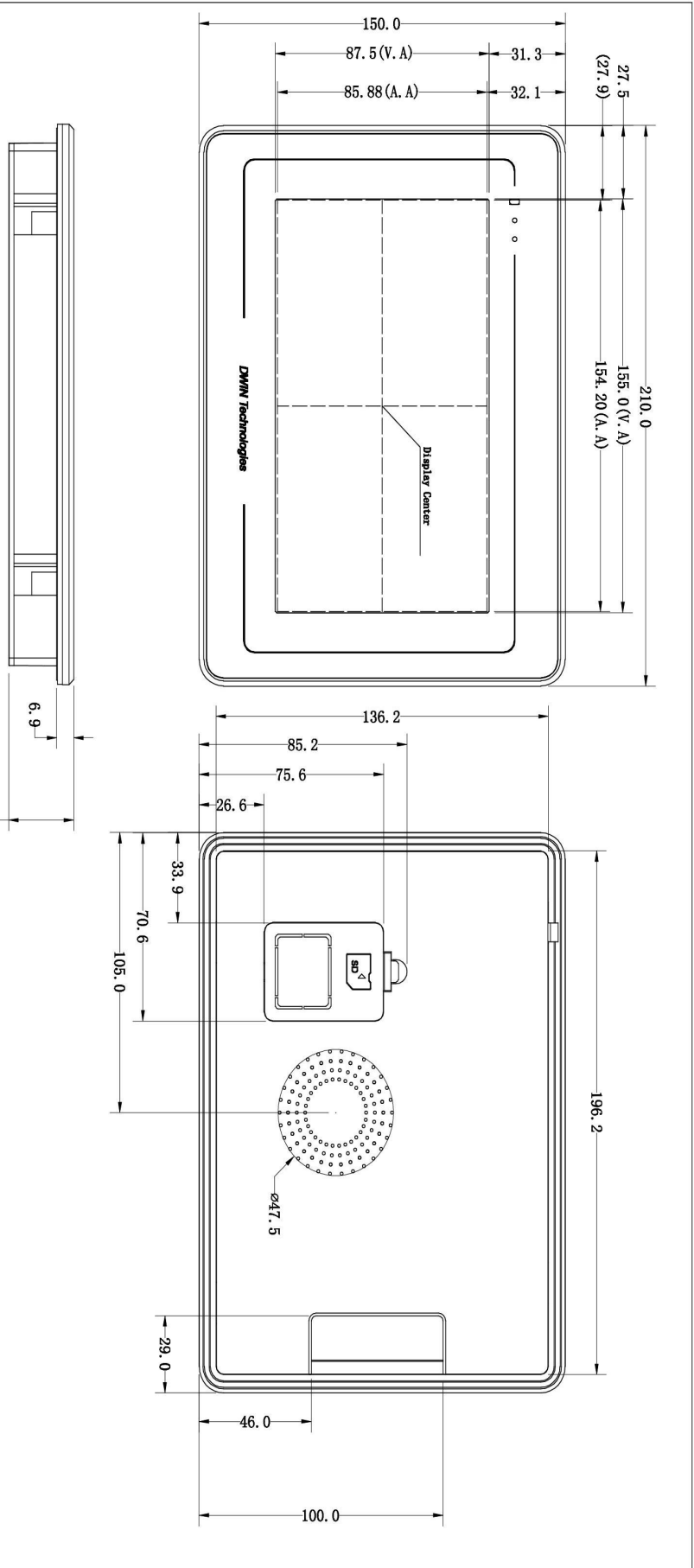
<b>Peripheral</b>	Capacitive touch panel
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- **Packing Capacity & Dimension**

Dimension				
<b>Dimension</b>	210.0(W)x150.0(H)x26.5(T)mm			
<b>Net Weight</b>	520g			
Packing Capacity				
<b>Model</b>	<b>Size</b>	<b>Layer</b>	<b>Quantity/Layer</b>	<b>Quantity(Pcs)</b>
<b>Carton1:</b>	220mm(L)x160mm(W)x47mm (H)	-	-	-
<b>Carton2:</b>	250mm(L)x200mm(W)x80mm (H)	-	-	-
<b>Carton3:</b>	320mm(L)x270mm(W)x80mm (H)	2	1	2
<b>Carton4:</b>	450mm(L)x350mm(W)x300mm(H)	1	16	16
<b>Carton5:</b>	600mm(L)x450mm(W)x300mm(H)	1	30	30

Disclaimer: The product design is subject to alternation and improvement without prior notice.

DWIN Technologies Technical Document



HDMI/Name	HDMI/Description	HDMI/Name	HDMI/Description
Pin1	TMS Data+	Pin11	TMS Clock Shield
Pin2	TMS Data2 Shield	Pin12	TMS Clock-
Pin3	TMS Data-	Pin13	CEC
Pin4	TMS Data1+	Pin14	I2C Data- (Optional, HDMI 1.4 with Ethernet)
Pin5	TMS Data1 Shield	Pin15	SCL (I2C Serial Clock for DDC)
Pin6	TMS Data1-	Pin16	SDA (I2C Serial Data Line for DDC)
Pin7	TMS Data0+	Pin17	DDC/CEC/HDC Ground
Pin8	TMS Data0 Shield	Pin18	+5V Power (max 50mA)
Pin9	TMS Data0-	Pin19	DC Pin Descr:(All versions) and I2C Data+ (Optional, HDMI 1.4 with Ethernet)
Pin10	TMS Clock+		

1. Location hole is used as position reference.
  2. Unmarked Tolerance is +/-0.3mm
- Active area is marked in Dash Lines

Model		HDW070-A5001L		DWIN Technologies	
Drawing	A 4	Drawn	DWIN	Date	220620
Scale	1:1	Review		Date	
Unit	MM	Approval		Date	

# Installation Schematic

Waterproof rubber gasket (blue part in the schematic, actually in black): located between screen and shell to prevent water ingress. Additional glass glue is available for outdoor use to strengthen the waterproof performance

**1**

The opening requirements are shown in the figure.  
 Depth >21.0mm  
 Device front housing thickness <3.5mm

Install the screen from the front into the housing openings.

**2**

Loosen the screw, the snap automatically follows the screw to rotate 90° clockwise.

State before rotation

Lock the 4 screws to fix the product on the housing

State after rotation

**3**

Clip the back cover of the housing

Installation completed

The final effect