

AFYU070HV21

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

CTP, HDMI interface display



● **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	Descriptions
Socket	6-36V Power interface,HDMI interface
USB Interface	Yes (Connect USB capacitive touch screen)
SD Card Slot	None

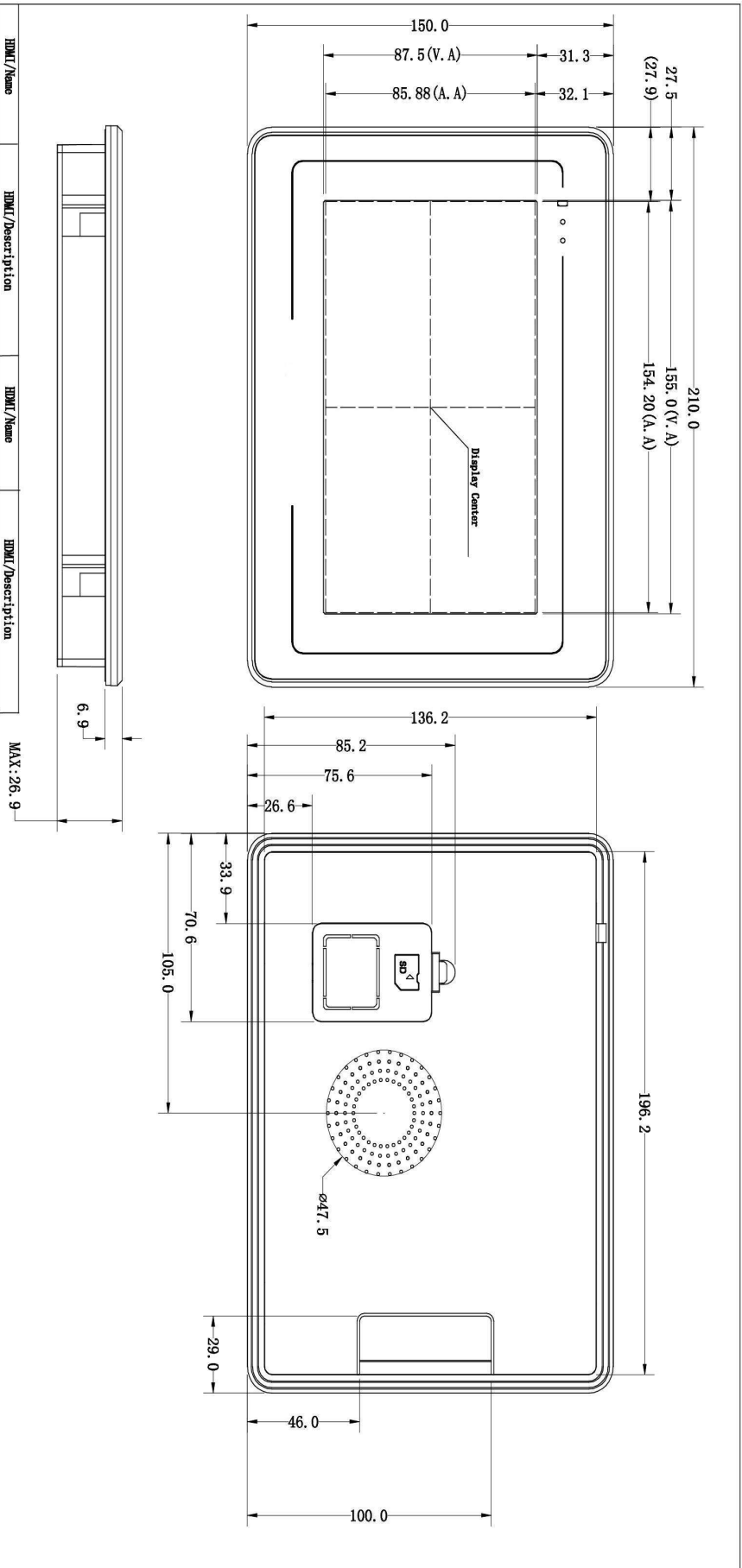
- **Peripheral**

Peripheral	Capacitive touch panel
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- **Packing Capacity & Dimension**

Dimension				
Dimension	210.0(W)×150.0(H)×26.5(T)mm			
Net Weight	520g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)×160mm(W)×47mm (H)	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm (H)	2	1	2
Carton3:	320mm(L)×270mm(W)×80mm (H)	-	-	-
Carton4:	450mm(L)×350mm(W)×300mm(H)	1	16	16
Carton5:	600mm(L)×450mm(W)×300mm(H)	1	30	30

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



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

Model		AFYU070HV21	
Drawing	A 4	Drawn	
Scale	1:1	Review	
Unit	MM	Approval	
		Date	
		Date	220620



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

Record of Revision

Ver	Revise Date	Content	Editor
00	2022-12-5	First Edition	Kaya
01	2023-06-02	Update picture	Kaya

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