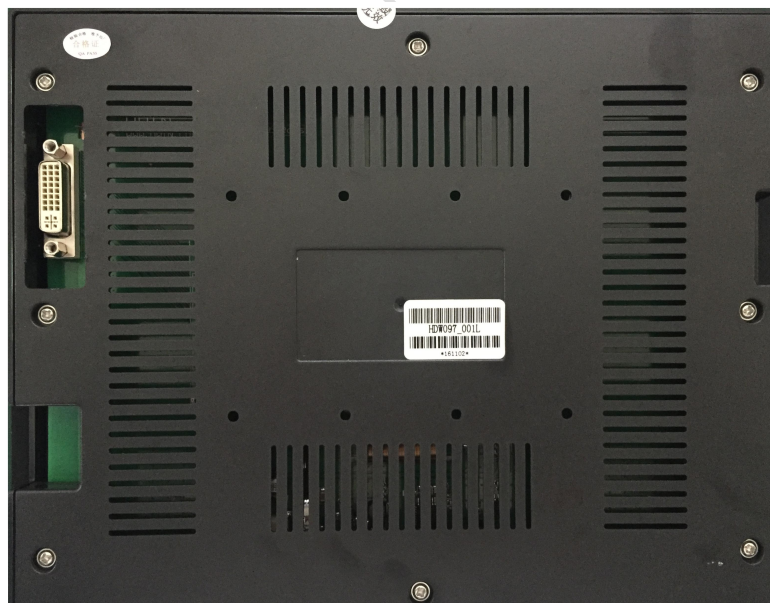**Professional, Creditable, Successful**

HDW097_001L

9.7-inch, 1024*768, 65K Colors,

Resistive Touch, LVDS Multimedia Display

● **Display Parameters**

Properties	Parameters	Description
Color	65K (65536) colors	16bit 5R6G5B
Active area (A.A.)	196.6mm (W) *147.5mm (H)	1024*768 Pixel
Resolution	1024*768 Pixel	
Backlight	LED	-
Brightness	300nit	100 levels adjustment(It's not recommended to set brightness to 1%~30% of the maximum, which may lead to LCD flicker.)
Note: You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.		

● **Voltage & Current**

Item	Conditions	Min	Typical	Max	Unit
Power Voltage	-	3.6	5.0	6.0	V
Operating Current	VCC = +5V, Backlight on	-	760	-	mA
	VCC = +5V, Backlight off	-	140	-	mA
Recommended power supply: 5V 2A DC					

● **Reliability Test**

Item	Conditions	Min	Typ	Max	Unit
Operating Temperature	60%RH at 5V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	85	℃
Operating Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	None	-	-

● **Peripheral**

Peripheral	
Peripheral	4-wire resistive touch screen

● **Installation**

Properties	Description
Enclosure material	ABS+PC engineering material
Enclosure Color	Black
Hole Size	245.3(mm)*196.0(mm)
Installation Depth	23.0 (mm) (maximum depth when connecting the connector)
Accessories	Waterproof rubber washers and buckles

● Interface Parameters

Properties	Description
Interface Cable	LVDS(VDD＝+5.0V)
User Interface	DVI-I interface

DVI-I interface
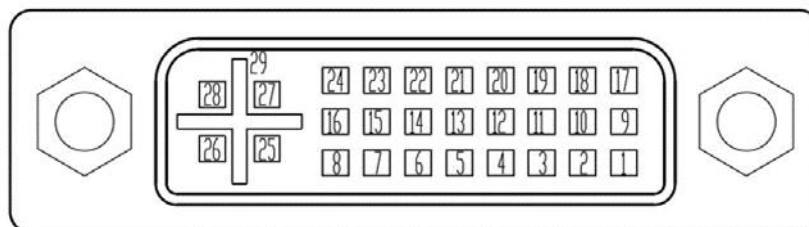
Pin	Name	Function	Description
1	RX2-	Input	Negative electrode LVDS Differential data Input input
2	RX2+	Input	Positive electrode LVDS Differential data Input
3	GND	Power	GND
4	BL_PWM	Input	Backlight dimming control, PWM is used to adjust brightness output.
5	NC	-	NC
6	VDD	Power	5.0V Power Input
7	VDD	Power	5.0V Power Input
8	VDD	Power	5.0V Power Input
9	RX1-	Input	Negative electrode LVDS Differential data Input
10	RX1+	Input	Positive electrode LVDS Differential data Input
11	GND	Power	GND
12	RX3-	Input	Negative electrode LVDS Differential data Input
13	RX3+	Input	Positive electrode LVDS Differential data Input
14	VDD	Power	5.0V Power Input
15	GND	Power	GND
16	GND	Power	GND
17	RX0-	Input	Negative electrode LVDS Differential data Input
18	RX0+	Input	Positive electrode LVDS Differential data Input
19	GND	Power	GND
20	USB_DM	I/O	USB D- signal
21	USB_DP	I/O	USB D+ signal
22	GND	Power	GND
23	RXCLK+	Input	Clock positive pole LVDS Differential data Input
24	RXCLK-	Input	Clock negative pole LVDS Differential data Input
25	VDD	Power	5.0V Power Input
26	VDD	Power	5.0V Power Input
27	NC	-	NC
28	NC	-	NC

Interface Timing refers to the corresponding LCD Timing parameters. Please confirm the relevant LCD screen information with the DWIN salesperson.

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● **Packaging & Dimensions**

Form Factor	257.0mm(l)*208.0mm(w)*24.0mm(h)	
Net Weight	785g	
Packaging Standards		
Model	**Dimensions**	**Quantity(Pcs)**
Carton3:	320mm(L)*270mm(W)*80mm (H)	2
Carton4:	450mm(L)*350mm(W)*300mm(H)	10
Carton5:	600mm(L)*450mm(W)*300mm(H)	16
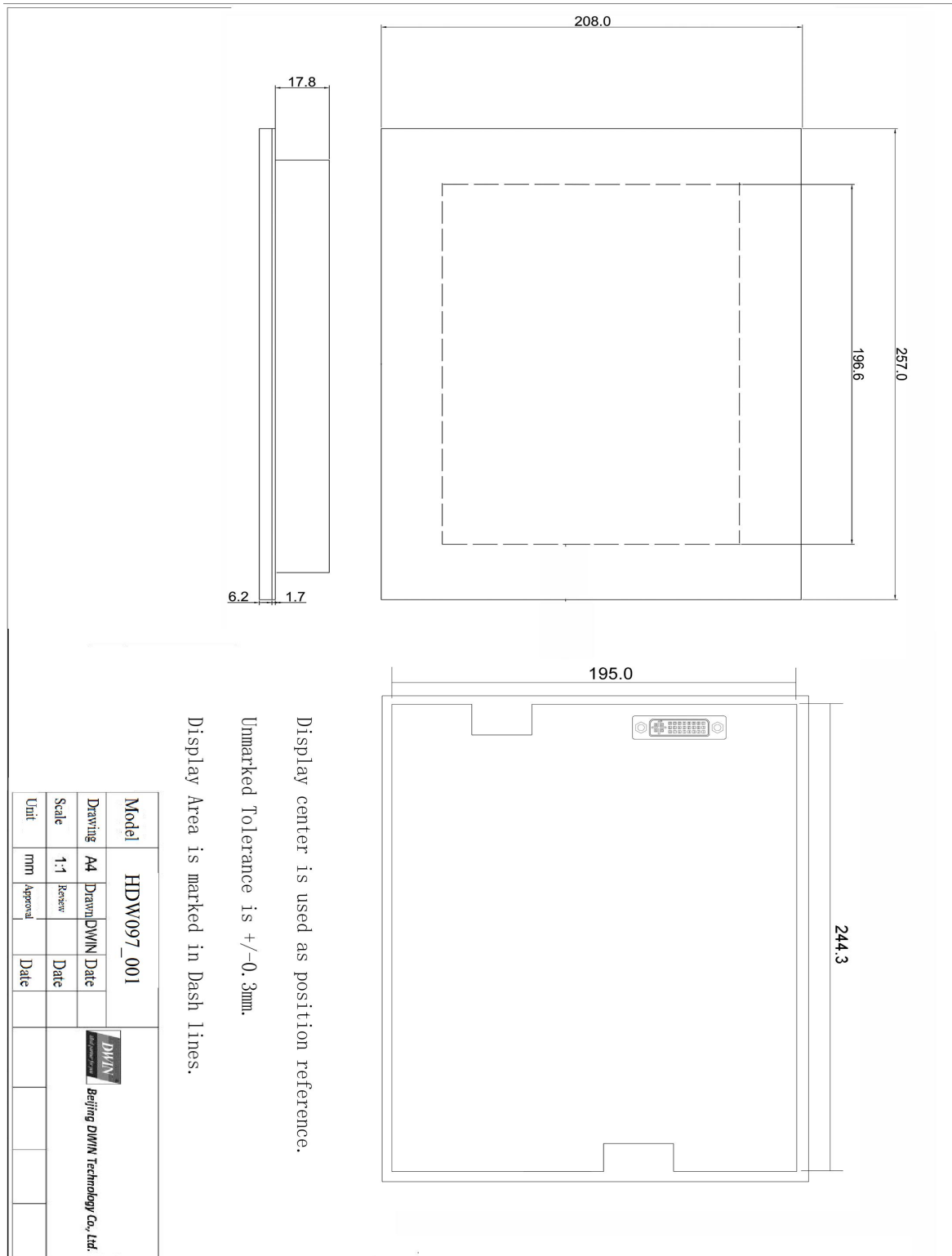
HMI installation guide

Step.1：Embed the HMI in the hole;

The mounting holes are marked by the red circles.
The picture above shows the top view ,there are
the same mounting holes on the other side.

Step.2 : Place the buckles into the mounting holes as shown;

Step.3 : Tighten the screws to fix the HMI on the device.

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● **Revision Records**

Version	Revise Date	Content	Editor
00	2023-5-19	First Edition	Kaya
01	2024-4-12	Add Important Disclaimer	YML

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Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!

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