

# HDW215\_004L

**21.5-Inch, 1920xRGBx1080, IPS screen**

**Capacitive touch panel, HDMI interface display**



## ● Display Parameters

<b>LCD Type</b>	IPS, TFT LCD.
<b>Viewing Angle</b>	Wide viewing angle (85°/85°/85°/85° typical), high contrast, and good color reproduction.
<b>Resolution</b>	1920×1080 Pixel
<b>Active Area (AA)</b>	477.24mm (W)×268.71mm (H)
<b>Viewing Area (VA)</b>	477.24mm (W)×268.71mm (H)
<b>Backlight Service Life</b>	>50000H
<b>Brightness</b>	800nit
Note: Use dynamic screen saver to prevent afterimages from prolonged fixed page display.	

## ● Touch Parameters

<b>Type</b>	Capacitive touch panel
<b>Structure</b>	G+G structure, 4mm tempered glass cover plate, Anti-Glare effect
<b>IK(cover)</b>	IK08

## ● Electrical Specifications

<b>Power Voltage</b>	18~36V, typical value 24V.
<b>Current Parameters</b>	1540mA@24V
Recommended power supply: 24V 2A DC.	

## ● Operating Environment & Reliability Test

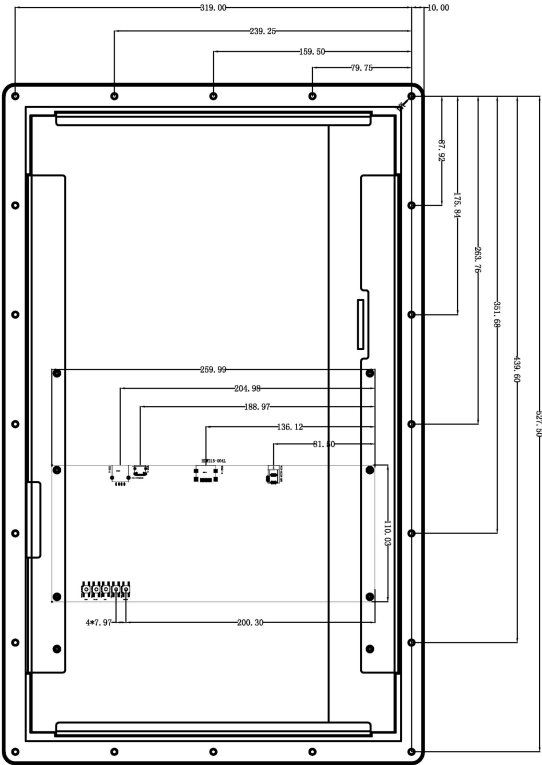
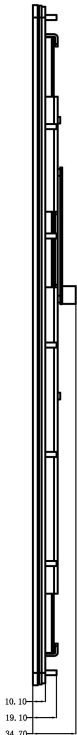
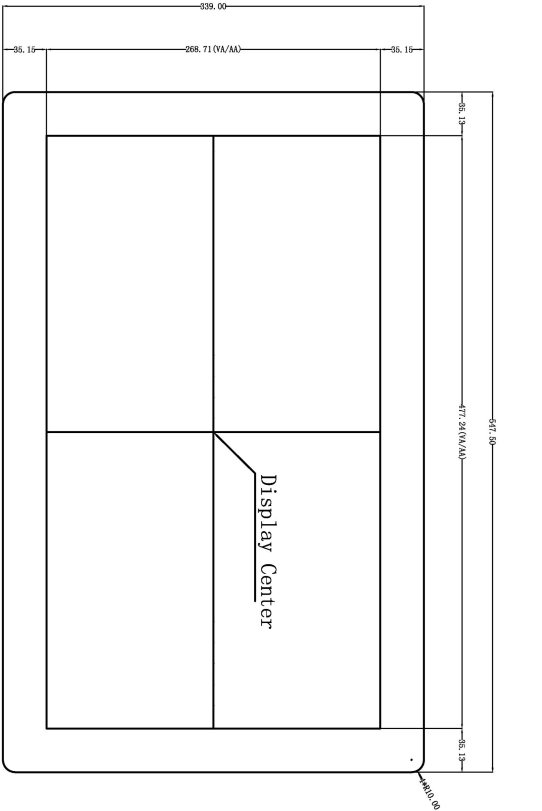
Item	Conditions	Min	Typ	Max	Unit
Operation Temperature	60%RH at 5V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	80	°C
Operation Humidity	25°C	10%	60%	90%	RH
ESD	Contact: ±6KV; Air: ±8KV				
EFT	±2KV; Class B				
CS	0.15-80M 10Vrms Class A				
RE	CLASS A				
CE	CLASS A				
Anti-UV	Y				
Anti-Glare	Y				
Protective Level	IP65(Front)				

## ● Hardware Interface

Power Interface	3PIN_Φ2.0DH
Display Interface	HDMI-A(23PIN_HDMI_SH)
Touch Interface	USB-A/Type-C optional
Speaker Interface	2Pin_2.0mm

## ● Packing & Dimension

Dimension	547.5(W)×339.0(H)×34.7(T)mm
Net Weight	5500g



HDMI Name	HDMI Description	HDMI Name	HDMI Description
Pin1	TMS Data2+	Pin11	TMS Clock Shield
Pin2	TMS Data2 Shield	Pin12	TMS Clock-
Pin3	TMS Data2-	Pin13	CEC
Pin4	TMS Data1+	Pin14	HDC Data (Optional, HDMI 1.4+with Ethernet)
Pin5	TMS Data1 Shield	Pin15	SDA (I2C Serial Clock for DDC)
Pin6	TMS Data1-	Pin16	SIM (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	Hot Plug Detect (All versions) and HDC Data+ (Optional, HDMI 1.4+with Ethernet)
Pin10	TMS Clock+		

Model	HDW215-004L				DWIN Technologies			
Drawing	A 4	Drawn	G. Y	Date				
Scale	1 : 1	Review		Date				
Unit	MM	Approval		Date				

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

## ● Revision Records

Rev	Revise Date	Content	Editor
00	2025-07-28	First Release	Chen Xian

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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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