



HIGHNESS™

One of a kind

49" Industrial Grade Display

ID490FH001-HB



Release Date
23rd May 2020

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HIGHNESS MICROELECTRONICS PVT. LTD

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1. Technical Specification

Screen Size	49" diagonal	
Active Area (H x V)	1073.8 x 604 mm	
Resolution	1920 x 1080	
Aspect Ratio	16:9	
Pixel Pitch (H x V)	0.58926 x 0.55926 mm	
Color	1.07B	
Viewing Angle	89°/89°/89°/89°	
Luminance	500 cd/m ² (Standard Model)	
	500~900 cd/m ² (High Brightness Model)	
Contrast	1300:1	
Response Time	10ms	
Operating Temperature	-20° to +70° C	
Storage Temperature	-20° to +70° C	
Input Interface	Options	HDMI, DVI & VGA
		DVI, HDMI, S-Video, Composite Video & VGA
Power Input	AC 240V	
Power Consumption	110 Watt	
Backlight Type	LED	
Backlight Life	50,000 hours	
Enclosure	Mild Steel / Aluminum	
Mounting	VESA standard / Wall Mount	

2. Touch Screens (Optional)

2.1 Projected Capacitive Touchscreen

Touch Screen Type	Projected Capacitive
Interface	USB
Input Method	Finger
Transparency	$\geq 80\%$ ($\pm 3\%$)
Haze	$< 3\%$
Surface Type	Antiglare
Operating Force	10-80 g
Durability	3,000,000 touch at a single point
Hardness	$> 3H$
Capacitance	$< 5 Nf$
Supported OS	Windows, Linux & Android

3. Enhancement Solutions (Optional)

3.1. Anti-Reflective / Anti-Glare / Anti-Finger-Print Coating

Particulars	Details
Reflection	0.57%
Transparency	92%
Haze	15%
Surface Hardness	3H

3.2. Surface Hardness Coating

Particulars	Details
Hardness	Upto 9H
Transparency	91.3%
Haze	0.2%
Water Resistance	60°C, 90% RH
Heat Resistance	140°C

3.3. Optical Bonding

Particulars	Details
Structure	Glass + Glass (Soda Lime Glass + TFT-LCD Module or Touch Screen + TFT-LCD Module)
Temperature	-40 to +85°C
Humidity	0 to 95% RH
Transparency	91%
UV Resistance	UVA 340nm

Model Numbers / Ordering Information

Model No.	Particulars	Details
ID490FH001-HB	Brightness	High Brightness
ID490FH001-HB-A	Input Interface	HDMI, DVI & VGA Input
ID490FH001-HB-B		DVI, HDMI, S-Video, Composite Video & VGA
ID490FH001-HB-y-PT	Touch Screens	Projected Capacitive
ID490FH001-HB-y-zz-AG/AR/AF	Enhancements	Anti-Reflective / Anti-Glare / Anti-Finger-Print Coating
ID490FH001-HB-y-zz-HF		Surface Hardness Coating
ID490FH001-HB-y-zz-OB		Optical Bonding

(Manufacturer reserves the sole right to change the specifications without prior notice)
(Touch screen will reduce the original luminance of the LCD display)