



HIGHNESS™

One of a kind

55" Industrial Grade Display

ID550FH001-HB



Release Date
23rd May 2020

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HIGHNESS MICROELECTRONICS PVT. LTD

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1. Technical Specification

| | | |
|-----------------------|--|---|
| Screen Size | 55" diagonal | |
| Active Area (H x V) | 1209.6 x 680.4 mm | |
| Resolution | 1920 x 1080 | |
| Aspect Ratio | 16:9 | |
| Pixel Pitch (H x V) | 0.21 x 0.63 mm | |
| Color | 1.07B | |
| Viewing Angle | 89°/89°/89°/89° | |
| Luminance | 700 cd/m ² (Standard Model) | |
| | 700~1200 cd/m ² (High Brightness Model) | |
| Contrast | 4000:1 | |
| 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 | 175 Watt | |
| Backlight Type | LED | |
| Backlight Life | 60,000 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 |
|-----------------------------|-----------------|---|
| ID550FH001-HB | Brightness | High Brightness |
| ID550FH001-HB-A | Input Interface | HDMI, DVI & VGA Input |
| ID550FH001-HB-B | | DVI, HDMI, S-Video, Composite Video & VGA |
| ID550FH001-HB-y-PT | Touch Screens | Projected Capacitive |
| ID550FH001-HB-y-zz-AG/AR/AF | Enhancements | Anti-Reflective / Anti-Glare / Anti-Finger-Print Coating |
| ID550FH001-HB-y-zz-HF | | Surface Hardness Coating |
| ID550FH001-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)*