

Mini-LED Display Module

Features:

- High Brightness Level from 1,000 to 5,000 nits
- Display Size Available from 5" to 65"
- High Contrast Ratio: 100,000:1
- Lower Power Consumption: Reduced by 30% to 50%
- Sunlight Readable

Part number: EB070-ML2-1610A-20

Product description: 7" Mini-LED FALD Display Module

Local dimming zone: 240 zones

Brightness: 2000 nits

LCD: IPS

Resolution: 1024x600px, normally black

Viewing Angle: 85/85/85/85 (Typ.), CR≥10

Color depth: 16.7 M

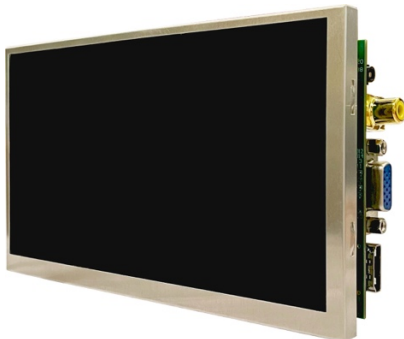
Interface: HDMI/VGA/CVBS

Operating temperature: -30°C ~ 80°C

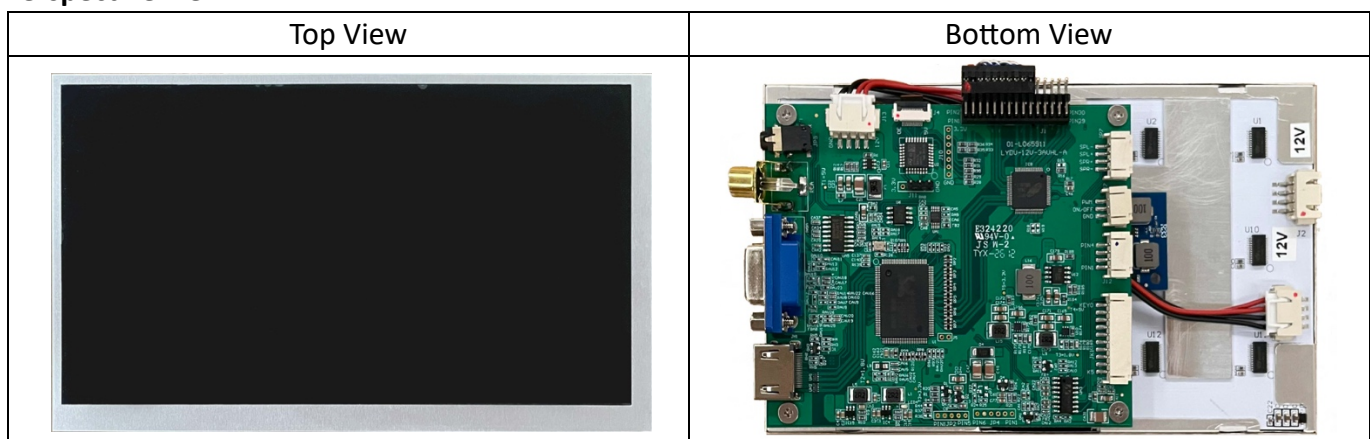
Storage temperature: -40°C ~ 85°C

Optional components: OSD Keypad / Light Sensor / power adapter

Product profile



Perspective view





Technical drawings of the LCM module showing dimensions and connector locations:

- Top view dimensions: 163.6 ±1.00 (Module Outline), 156 ±0.50 (Bezel Opening), 154.21 (A.A), 77.11.
- Left view dimensions: 7.8 ±1.00 (Module Outline), 27.48 ±2.00.
- Front view dimensions: 97.1 ±1.00 (Module Outline), 87.7 ±0.50 (Bezel Opening), 85.92 (A.A), 42.96.
- Bottom view dimensions: 27.48.
- Connectors: Power in: DC 12V 3A (XH2.54-4pin), Image input: CVBS plug in, Image input: VGA plug in, Image input: HDMI plug in (HDMI 2.1 TYPE-A).

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製圖	設計	校對	核准	比例	單位	材質	數量	處理	版本
				公	機名	7吋_LVDS_240_12V組合圖	圖		版
				差	圖名	預設	號		本

Optional

Optional components shown:

- OSD Keypad
- Light Sensor

Note on Intelligent Protection Mechanism: This module is equipped with a proactive Over Temperature Protection (OTP) system. For Average Picture Level (APL) exceeding 70% for more than 240 seconds, brightness will adjust gradually (10% every 30s) to safeguard internal components. Recovery to 100% brightness is automatic once APL drops below 60%. This mechanism is a standard safety feature to ensure the LCM's extended lifespan and consistent performance under varying usage scenarios.