

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-10

Product description: 7" Mini-LED Embedded LCD Module

Local dimming zone: 240 zones

Brightness: 2000 nits

LCD: IPS

Resolution: 1024 x 600 px, normally black

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

Color depth: 16.7 M

Power consumption: 12 watt (max.)

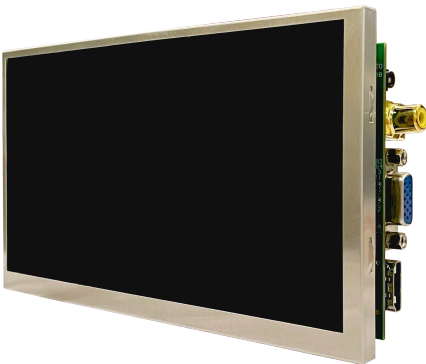
Interface: HDMI / VGA / CVBS

Operating temperature: -30°C ~ 80°C

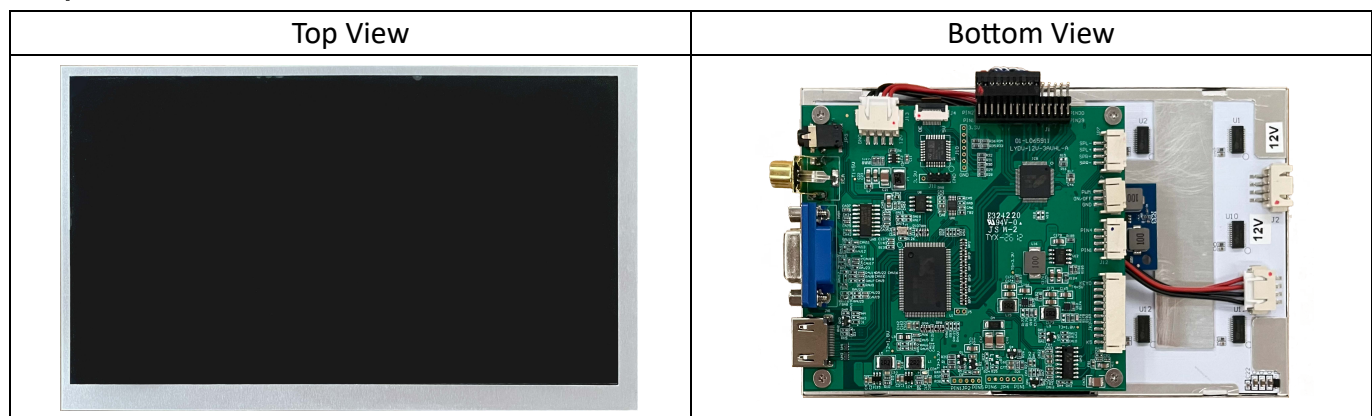
Storage temperature: -40°C ~ 85°C

Optional components: OSD Keypad / Light Sensor

Product profile



Perspective view





Technical drawings of the LCM module showing dimensions and connector locations. Dimensions are provided in millimeters (mm) with tolerances. Key dimensions include: Module Outline (163.6 mm width, 97.1 mm height), Bezel Opening (156 mm width, 87.7 mm height), and AA (154.21 mm width, 85.92 mm height). Connector locations are marked: Power in: DC 12V 3A (XH2.54-4pin), Image input: CVBS plug in, Image input: VGA plug in, and 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 差	*±0.15 **±0.1 ***±0.05	機名 圖名	7吋_LVDS_240_12V組合圖 預設	圖 號	

Optional Components

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.