01 / PANEL OVERVIEW

7.0-inch 1024 × 600 LCD

Display Technical Brief

Native landscape raster. Confirm the orientation supported by the final enclosure and software.

PANEL CLASS	NATIVE RASTER	FRAMEMORY REFERENCE
7.0 in	1024 × 600	7C

Display and optical profile

Panel technology	Normally black TFT; anti-glare surface
Brightness	300 cd/m² listed at center (120 mA; tentative source)
Contrast ratio	800:1 listed in tentative optical table
Viewing angle	85° typ. each direction
Color	50% typ. NTSC
Active area	154.21 × 85.92 mm
Module outline	164.90 × 100.00 × 3.50 mm
Temperature	−10 to +60 °C operating; −20 to +70 °C storage (tentative limits)

Selection note

> This 7C panel uses parallel RGB, not MIPI or eDP. The source is tentative; confirm timing, optical limits and the power-sequence profile before layout release.

02 / ENGINEERING INTEGRATION

Interface and integration

Use the component notes to plan an enclosure and host review on the exact assembled configuration.



Functional illustration only • not a pin map or mechanical drawing

Electrical and connection profile

Video	Parallel RGB / TTL · 24-bit or 18-bit wiring
Connector	50 positions; parallel RGB, control, analog rails and LED connections
Touch	Not specified by panel source
Timing	60 Hz listed; confirm pixel clock and blanking with approved timing
Power / backlight	3.3 V typ. digital rail; LED 120 mA, 9.0 V typ. (8.1–9.9 V)

Before design release

Host setup
Confirm interface mode, mapping and initialization on the target controller.

Mechanical fit
Check connector access, flex bend and tolerance stack in the assembled enclosure.

Scope: LCD component, not a finished Framemory device specification. Listed limits and typical values are not acceptance criteria; verify against the approved assembly and its controlled documents.