01 / PANEL OVERVIEW

8.0-inch WXGA LCD

Display Technical Brief

1280 × 800 in product landscape orientation (16:10); source lists 800 × 1280 in native portrait.

PANEL CLASS	NATIVE RASTER	FRAMEMORY REFERENCE
8.0 in	**800 × 1280**	**8C**

Display and optical profile

Panel technology	Normally black IPS TFT
Brightness	270 cd/m² typ.; 220 min. (center)
Contrast ratio	1200:1 typ.; 900:1 min.
Viewing angle	80° typ. each direction (CR ≥ 10)
Color	60% typ. NTSC; 16.7M colors
Active area	107.64 × 172.22 mm
Module outline	114.66 × 184.06 × 2.60 mm (±0.20)
Temperature	−10 to +50 °C operating; −20 to +60 °C storage

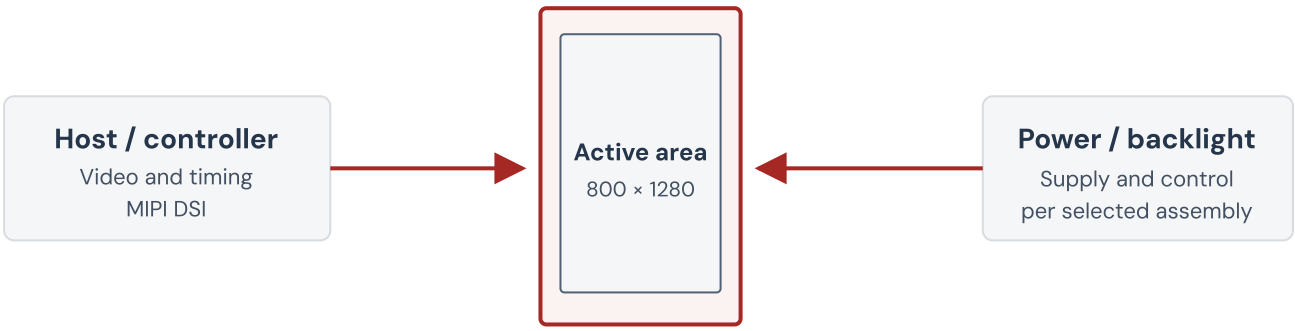
Selection note

> The panel source does not define a touch stack. Confirm host lane configuration, connector pinout and timing on the exact assembly before integration.

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	MIPI DSI · 4 lanes default; 3-lane mode listed
Connector	31 positions; MIPI data, reset, power and LED connections
Touch	Not specified by panel source
Timing	60 Hz listed; confirm pixel clock and blanking before integration
Power / backlight	140 mA typ.; 9.0–10.5 V listed for backlight at 25 °C

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.