01 / PANEL OVERVIEW

# 11-inch WUXGA LCD

## Display Technical Brief

1920 × 1200 in product landscape orientation (16:10); source lists 1200 × 1920 in native portrait.

| PANEL CLASS | NATIVE RASTER | FRAMEMORY REFERENCE |
|---|---|---|
| 11 in | 1200 × 1920 | 11S |

### Display and optical profile

| | |
|---|---|
| **Panel technology** | IPS, transmissive, normally black |
| **Brightness** | 320 cd/m² typ. (LCM table, 100 mA); confirm release target |
| **Contrast ratio** | 1500:1 typ.; 1000:1 min. |
| **Viewing angle** | 80° typ.; 75° min. each direction (CR ≥ 10) |
| **Color** | 56% typ.; 51% min. NTSC (reference optical test) |
| **Active area** | 147.42 × 235.87 mm |
| **Module outline** | 165.22 × 253.67 × 2.86 mm (summary, incl. PCB); drawing uses a separate LCM outline |
| **Temperature** | Hold for confirmation: published summary and drawing show different limits |

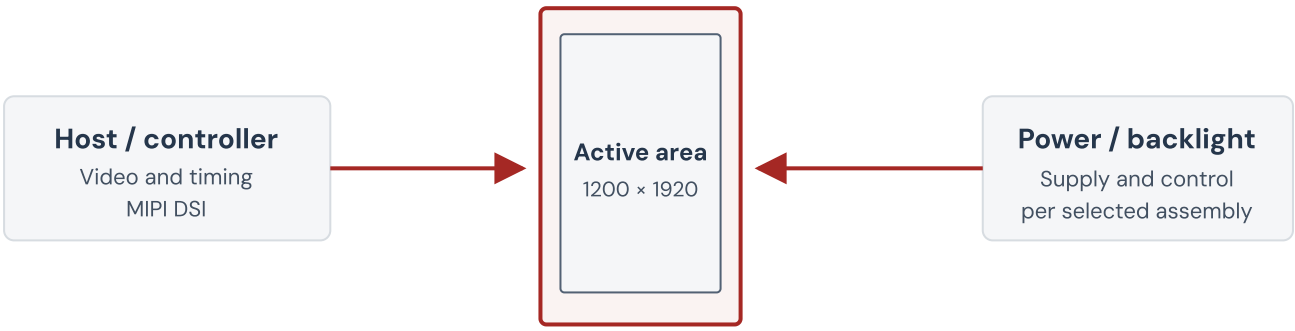
### Selection note

> The panel exposes an I²C touch interface. Confirm the actual touch stack and firmware on the ordered assembly. Do not infer finished-device touch capability from the interface alone.

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 |
| **Connector** | 51 positions; video and I²C touch signals listed |
| **Touch** | I²C touch signals are defined; touch stack and controller not confirmed |
| **Timing** | Confirm host DSI profile and I²C initialization separately |
| **Power / backlight** | 100 mA typ. specified; voltage differs across source sections |

## 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.