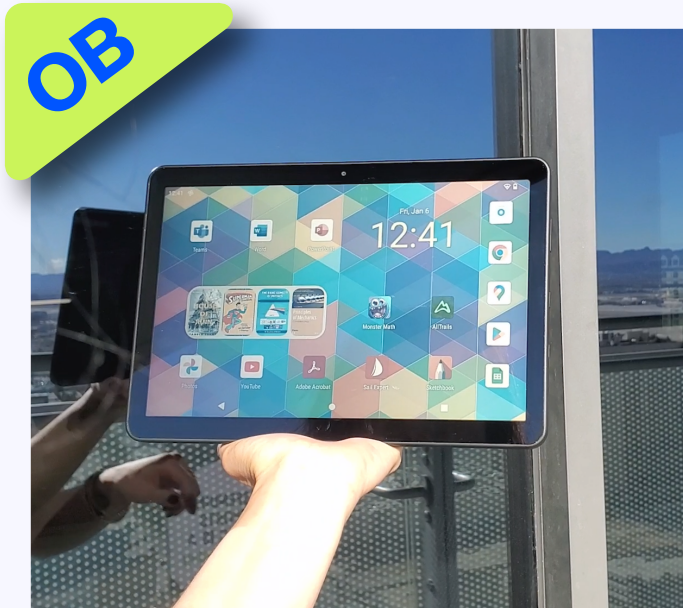


Overview

Azumo's next generation OB (Optical Bonding) front light maintains all of the benefits of LCD 2.0 technology with the added benefit of cover lens and touch film compatibility. LCD 2.0 can be used seamlessly in any lighting condition: from dark spaces to bright, direct sunlight. The reflective MIP LCD technology enables Azumo's patented lightguide technology to deliver high quality images with ultra-low power consumption, extending the battery life of your device. Each pixel has an R/G/B stripe, providing 64 colors. The integrated front light significantly improves display color saturation and offers a superior user experience for a variety of applications.

- ✓ Optical bonding (**cover lens & touch panel**) options available
- ✓ **Less power** compared to traditional BLU
- ✓ MIPI interface for **simple connectivity**
- ✓ **Sufficient brightness** as low as 60 mW
- ✓ Superior **readability** in all lighting conditions
- ✓ **Intrinsically safe** with wide temperature range
- ✓ 0.05mm thick, Azumo film is over **5x thinner** than alternative light guides



[View Mechanical Drawing](#)

Sharp Display P/N	Contact Azumo
Resolution	800 x 1280
Active Area	141.36 mm x 226.18 mm
PPI	144
Display Colors	16.7M Colors
Outline	145.76 (W) x 234.28 (H)
Display Thickness	1.33 mm
Display Power Consumption (Static Image)	100 mW
Display Power Supply Voltage	5.5V/-5.5V+1.8V
Response Time, Rise + Fall	10 + 10 ms
Interface	MIPI
Front Light Power Supply Voltage	TBD
Front Light Power Consumption	60 - 1440 mW
Front Light Brightness, Typ	TBD
Contrast Ratio - Native LCD	25
Viewing Angle - Native LCD	50/50° (H) & 55/55° (V)
Storage temperature (C°)	-30°C ~ 80°C
Operating temperature (C°)	-20°C ~ 70°C