

FLATFROG TM230 ZERO AIR-GAP ZG™

High-performance touch with a supreme viewing experience



- Zero air-gap technology enables true edge-to-edge designs and a supreme viewing experience with HD displays
- Premium touch experience supporting more than 40 simultaneous touches
- Pressure sensing with more than 1000 levels of pressure
- Designed for Windows 8.1

You have never seen touch performance like this before.

By combining a single cover glass with our zero air-gap technology, we have minimized the distance between the display and the user. The industrial design can be made thinner and lighter, eliminating any parallax touch issues even at wide angles. To further optimize the viewing experience, FlatFrog Touch has no sensor grid obstructing the visual clarity.

FlatFrog Touch offers industry-leading touch performance with more than 40 simultaneous touches and the ability to sense more than 1000 levels of pressure. This enables pressure sensitive drawing and writing as well as new application gestures for music, gaming and smart user interfaces.

FlatFrog TM230 is available as a standard product or alternatively with customized glass outline and cosmetics.



TECHNICAL SPECIFICATIONS

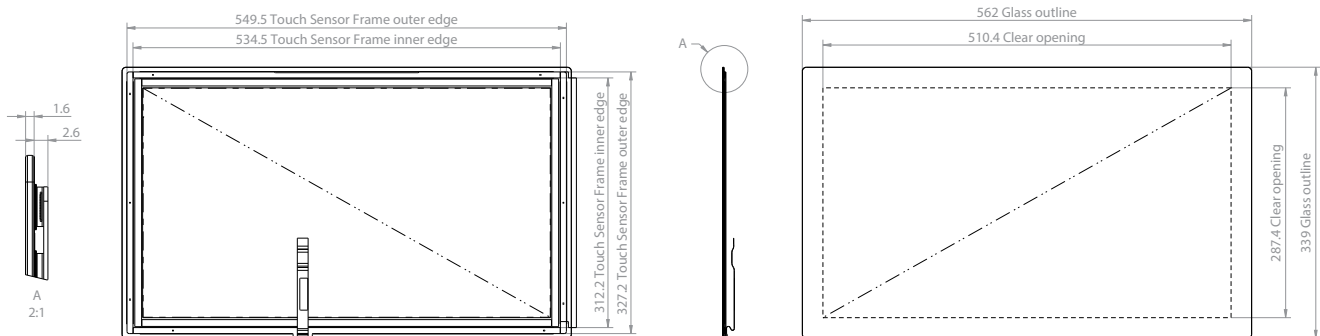
Cover lens type	Chemically strengthened soda lime
Cover lens thickness	1.6 mm
LCD panel integration	Airgap bonding
Cover lens coating	Including anti-fingerprint coating Optional: Anti-reflection coating
Cover lens ID concept	Edge-to-edge glass
OS Compatability	Designed for Windows 8 Support for Linux and Android
Controller to Touch	
Sensor Frame™ interface	Digital
Controller to PC	
Main board interface	Data communication: USB 2.0 Hi-Speed Power: Single supply: VBUS and VTSF (5V)
USB Data rate	Maximum 110kbps
Optical clarity	>91% transmission (with optional anti-reflection coating)
Touch Interface	USB HID Multitouch Windows 8.1
Touch performance	According to Win 8.1 Specification Optional wake-on-touch from sleep
Multiple touches	10 simultaneous touches and drags Optional up to 40 touches
Reporting rate	100 Hz

Touch objects	Fingers, gloves, soft tip styluses and soft objects are detected
Pressure detection	Pressure is detected with 10-bit resolution
Operating conditions	0°C to +60°C

MECHANICAL SPECIFICATION

Black border dimensions (Clear opening)	510.4 x 287.4 mm
Touch Sensor Frame™ dimensions	549.5 x 327.2 mm, 7.5 mm wide Z-stack: 2.6 mm
Touch controller board dimensions	45 x 50 mm, Max thickness: 5.26 mm
Weight including glass	850g
Surface treatment	Front: Anti-fingerprint coating Back: Black border
Mechanical data	Pencil hardness: ≥8H @765g on glass

DIMENSIONS



FlatFrog is revolutionizing the touch industry with its patented In-Glass™ touch technology. FlatFrog's products offers a perfect touch and viewing experience, supporting over 40 touches with unique pressure detection in a flush, bezel-free design. FlatFrog Touch is designed for mass production and integration into tablets, PC's and large interactive displays. FlatFrog Laboratories AB is based in Lund, Sweden.

