

FLATFROG MULTITOUCH 3200



A SUPREME MULTI-TOUCH EXPERIENCE

FlatFrog Multitouch 3200 – the slimmest true multi-touch system on the market – gives you an effortless and natural user experience by delivering state of the art, true multi-touch performance for many users simultaneously.

THE ESSENCE OF PERFORMANCE

FlatFrog's patented Planar Scatter Detection (PSD) technology provides a unique level of performance compared to any other multi-touch solution on the market. It offers constant and very reliable touch output thanks to an unparalleled 400+ DPI accuracy and very low jitter. The system identifies even the smallest finger movement and lets you have precise control of objects that are touched and dragged. Every gesture feels natural and responsive thanks to a high refresh rate and low latency.

TRUE MULTI-USER. TRUE MULTI-TOUCH

The real beauty of FlatFrog Multitouch 3200 is that many users can collaborate and interact together, while the system's high performance level remains constant. This is possible thanks to 40 simultaneous touches and drags. The system also recognizes different kinds of gloves, which creates a whole new dimension of exciting application opportunities in lab/medical or industrial environments.

LET YOUR APPLICATIONS SHINE

The strong glass surface offers superb optical clarity that lets the full HD LED display's perfect colors and contrast truly shine. It will make all content stand out to create a premium, interactive experience.

DESIGNED TO STAND OUT – AND FIT IN

The premium design and finish of FlatFrog Multitouch 3200 makes it fit right in with the interior design in exclusive settings. This means an application will feel natural – and be noticed – in any upscale commercial or exhibition environment. The solid aluminum frame, robust build quality and scratch resistant glass surface also ensure operation in demanding environments as well as a long lasting quality feel.

TOTAL FLEXIBILITY

FlatFrog Multitouch 3200 is the slimmest, true multi-touch system on the market. Measuring only 55 mm in depth, the screen can easily be integrated in different environments and provides plenty of legroom when mounted flush in a table. It can also be mounted both horizontally and vertically on a wall. For horizontal applica-

tions you can use the ready-to-mount legs available in bar- and sofa table heights or you can integrate the screen flush into a table or bar desk of your choice.

WE LIKE INDEPENDENCE

FlatFrog Multitouch 3200 is platform independent and supports both USB plug & play for Windows 7 and 8 as well as other operating systems (OSX, Linux and Android) over Ethernet using the TUIO protocol. This gives developers full flexibility to harness FlatFrog's true multi-touch potential.

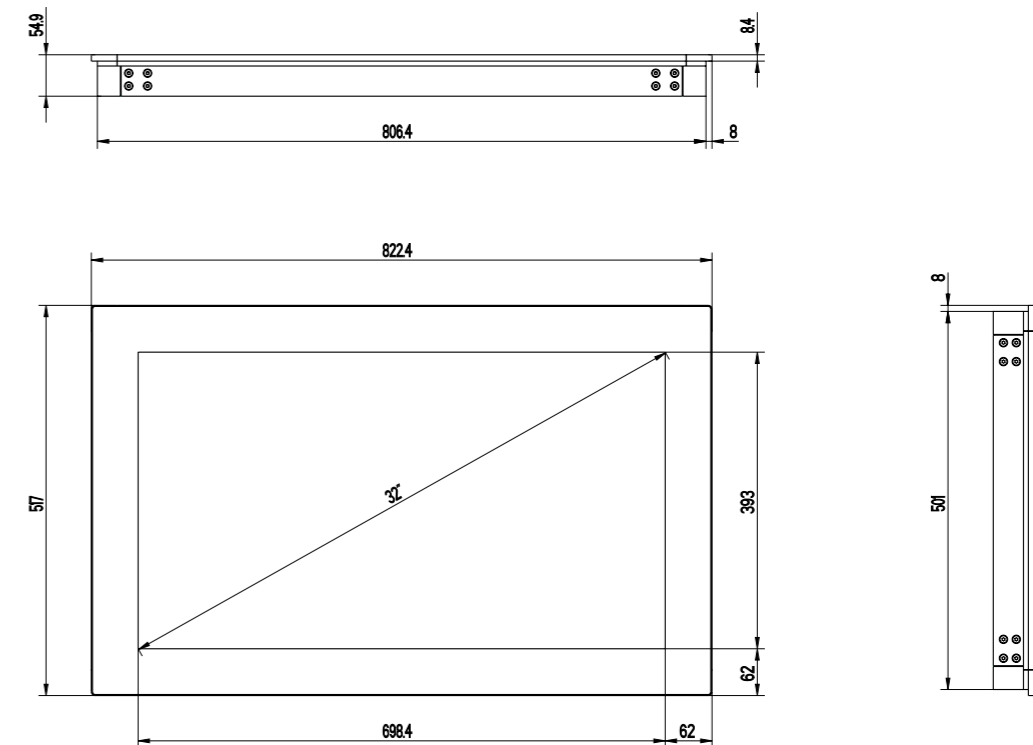
EVERYDAY IS EASY

Whereas most other multi-touch screens will need to be calibrated, and some need complicated lighting adjustments to even work, FlatFrog Multitouch 3200 comes pre-calibrated and is hardly affected by lighting conditions – ready to perform straight out of the box. Thanks to the flush surface with an easy-to-clean coating and an anti-fingerprint treatment, the screen can be wiped off just like any other surface. This is especially important in demanding environments like restaurants or bars.



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- GAMING & AMUSEMENT
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DIMENSIONS



ALL DIMENSIONS IN MM EXCEPT SCREEN SIZE

TECHNICAL SPECIFICATIONS

NAME
Description **FLATFROG MULTITOUCH 3200**
Full HD LCD display with integrated PSD true multi-touch technology

DISPLAY
Technology LCD
LCD technology A-MVA
Resolution 1920 x 1080
Size 32" diagonal
Viewing area 698.40 x 392.85 mm
Viewing angle 178 deg vertical / 178 deg horizontal
Contrast ratio 4000:1
Aspect ratio 16:9
Brightness 400 Cd/m2
Colors 16.7 million
Video response time 6.5 ms
Refresh rate 60 Hz
Control type OSD
Pixel pitch 0.364 x 0.364 mm
Expected life 30,000 hours
Power cycle 16 hours per day continuous use

INTERFACE
Connections USB, Ethernet, DVI
Operating system USB HID Multitouch Digitizer supporting Windows 7, TUIO over Ethernet supporting e.g. OS X, Linux and Android
– software framework

TOUCH PERFORMANCE
Input type Simultaneous fingers, gloves
Number of simultaneous touches and drags 40
Sampling and reporting rate 100 Hz @ 20 simultaneous touches and drags
Pixel accessibility All pixels are accessible, including edges
Positional precision Sub-pixel precision, 400dpi resolution = 1/16 mm
Positional accuracy Less than 1mm offset
Jitter Less than 1 pixel (0.37 mm)
Drag speed 2 m/s
Calibration No calibration required

MECHANICAL
Weight 19 kg
Depth 55 mm including LCD
Width 822 mm
Height 517 mm
Bezel width 61 mm
Bezel height 0.5 mm
Mounting
1. Integrated into table
2. Optional legs for standalone use
3. Vertical using VESA mount
VESA 200 mm x 200 mm

ELECTRICAL
Power supply 110-230 V, 50-60Hz
Power supply dimensions 170.8 x 44.45 x 84.85 mm
Power consumption Max 125W, Typical 90W

ENVIRONMENTAL
Operating temperatures +15 to +30 degrees celsius
Storage temperatures +5 to +40 degrees celsius
Ambient light Resilient to ambient light. Handles all common light sources (halogen, fluorescent etc.)
Chemical resistance The active touch area is resistant to chemicals that do not affect glass.
Relative humidity (operating/storage) 0% to 75%/85% non condensing
Electrostatic protection 8kV air / 4kV contact

OPTICAL
Optical clarity No optical degradation

WARRANTIES AND CERTIFICATION
Warranty 1 year
Agency approvals ETL, FCC Class B, CE, IEEE Class 1, RoHS, WEEE

FLATFROG LABORATORIES

FlatFrog bring to life the exciting new world of multi-touch computing and applications. Designed from inception for volume production, our patented technologies enable unmatched in-glass multi-touch performance for displays in a slim form factor.

