

Pressure Detection for Multi-Touch Displays

Written by Bob Snyder
11. 02. 2013



FlatFrog's **Planar Scatter Detection technology** (PSD) is the first multi-touch display technology to offer pressure detection.

PSD is an advanced optical in-glass multi-touch technology where light is injected inside the top glass pane and scatters wherever the top surface is touched. This scattering effect is detected, and positions of several simultaneous touches are determined. Now not only can PSD detect pressure, but it detects 1000 levels of pressure for 40 individual touches.

"This is another major breakthrough for us at FlatFrog, and it opens up exciting new possibilities for multi-touch input," says Ola Wassvik, CTO and Co-founder of FlatFrog. "Developers can use pressure detection to improve navigation, workflow and control in operating systems and applications. Users could for example press harder to open up shortcuts or menus. Pressure detection could also eliminate unwanted touches, such as opening a link or closing a window by mistake."

Christer Fåhraeus, CEO and Co-Founder at FlatFrog, continues "Although FlatFrog's PSD is the first multi-touch display technology to offer pressure detection, the market is more than ready. For example, Microsoft introduced the pressure parameter in Windows 8, which is fully supported by FlatFrog's PSD. Multi-touch is rapidly becoming a standard feature on a growing number of consumer electronic devices and we see pressure detection as very

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useful for all of those devices.”

FlatFrog’s first own product, the 32” FlatFrog Multitouch 3200, was launched last year and fully supports pressure detection. Previously purchased units may need an upgrade to the latest firmware, available at no extra cost through FlatFrog.

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