Motion View Anywhere™ Display Option

Introduction

The Motion M1400's standard 12.1-inch XGA TFT display with wide viewing angles enables clear viewing of screen images at angles greater than 160 degrees. The View Anywhere™ display option provides the same benefits as the standard display, while improving the sunlight contrast ratio, increasing brightness and decreasing unwanted reflection and glare. The result is an optimized display solution that can be used both indoors and outdoors.

Until recently, Tablet PC outdoor display solutions were expensive and required users to sacrifice indoor view-ability. Displays optimized for outdoor use often performed poorly indoors – requiring users to choose between an indoor or an outdoor solution – but not both. Motion Computing's ground-breaking View Anywhere display option does not require users to compromise indoor performance for outdoor performance – or vice versa. The bright, 12.1-inch XGA indoor-outdoor display uses a proprietary optical enhancement process based on technology initially developed for high-end military aviation and marine applications.

Compared to Motion's standard display, the View Anywhere display option enhances indoor viewing – while substantially improving outdoor viewing, yielding a combination of benefits unique in the Tablet PC market. Motion's proprietary enhanced optical display technology provides a 10:1 reduction in unwanted reflectance and glare, a 15% improvement in "light pass-through" efficiency and a 225% increase in sunlight contrast ratio over the M1400's standard display.

View Anywhere display technology also offers additional benefits such as a sharper sunlight contrast ratio, less glare, more vivid colors and better view-ability, while retaining the similar feel of pen on paper that has become a hallmark of Motion's ink-enabled Tablet PCs.

Usage Scenarios

The View Anywhere display improves the effective sunlight contrast ratio and light pass-through efficiency to make the Tablet PC display visible in all levels of ambient light.

High Ambient Light Usage Scenarios

- Ideal for inspectors, field engineers, surveyors, law enforcement personnel, military, construction superintendents, sports/coaches, customer service professionals, aviation/pilots, realtors and other highly mobile professionals
- Great for outdoor field use in conjunction with GPS technology available in the industry
- Great for any user who uses a Tablet PC in bright indoor light, in automobiles or outdoors

High Reflective Usage Scenarios

- Better solution than conventional display technology for individuals working in a room with bright fluorescent lighting, such as students taking notes in a classroom
- Medical professionals operating in bright artificial light

Normal Light Usage Scenarios

- Similar experience to that of Motion's award-winning M1400 standard display

Features and Benefits

Feature	Benefit
• Optical Enhancement Technology	• Efficient light pass-through • Improves ability to view display content across lighting settings • Minimizes unwanted reflectance • Minimizes pen and display parallax
• Passive-Transmissive Technology Solution	• Negligible impact on battery life or tablet weight • Performs better at night or in dark locations • Reduces unwanted shadows • Prevents dust from getting between glass layers • Provides solid outdoor performance while maintaining Motion's award-winning indoor view-ability
• Optical Glass Materials	• Maintains today's successful ergonomic pen feel • More durable and scratch resistant

FAQ

Q: Why did Motion stay with an enhanced transmissive display versus a front-lit or side-lit reflective display technology?

A: Transmissive displays generally produce the best indoor and nighttime view-ability. In the past, transmissive displays "washed-out" in bright outdoor sunlight – making them very difficult to use.

Front-lit or side-lit reflective technology is ideal for direct, outdoor lighting conditions but sub-optimal for indoor viewing. Front-lit or side lit reflective displays must be thicker to accommodate the additional light/bulb, thus significantly increasing undesirable parallax.

Motion's goal was to significantly improve outdoor viewing without sacrificing indoor performance. Motion's View Anywhere display option uses light from the tablet's backlight and from natural ambient light. Motion's specially developed optically-enhanced solution eliminates undesirable "wash out" and reflectance by improving opacity efficiency and brightness. The result is a high quality display solution suitable for viewing "anywhere."

Q: Can I upgrade my existing Tablet PC to include the View Anywhere display option?

A: No. Currently, the View Anywhere display option is limited to new Motion Tablet PC product orders.

Q: Why is it so important to reduce glare and reflection?

A: Unwanted glare reduces the "effective" display viewing angle and contrast, limiting view-ability in bright light conditions. Unwanted light reflection reduces the "effective" display brightness, leading to a "washed-out" or dimly lit display.

Q: Why is the "pen feel" so important?

A: Motion put considerable engineering, market research and industrial design effort into our pen and display technology to closely approximate the traditional pen and paper experience. Ideally, writing should feel smooth with a slight amount of "drag." Excessive "drag" makes writing slow and tiring. On the other hand, a slick surface makes it difficult to write legibly.

Warranty and Support

Motion's standard factory warranty and technical support policies apply to this product.

Motion Computing®

www.motioncomputing.com