

TRANSPORTATION SOLUTIONS

DIRECT. INTUITIVE. RELIABLE

From marine navigational systems to subway ticketing kiosks, Touch International's custom single-touch and multi-touch solutions fulfill the specialized needs and requirements of transportation applications in the air, on land or sea. Coupling touch screen interface with value-added enhancements provides durability against the environmental extremes, water resistance and easy readability for a dependable and intuitive user experience.

APPLICATION REQUIREMENTS

By integrating display enhancements and other value-added solutions, Touch International is able to conquer environmental challenges and improve display functionality and performance.



Entertainment Systems



- Optimized Viewing Angles
- EMI Suppression
- Sunlight Readable
- Scratch Resistant
- Low Power



Marine Equipment

- Scratch Resistant
- Glove Activated
- Immune to Vibrations
- Shatter Proof
- Sunlight Readable
- High/Low Temperature



Navigation Devices

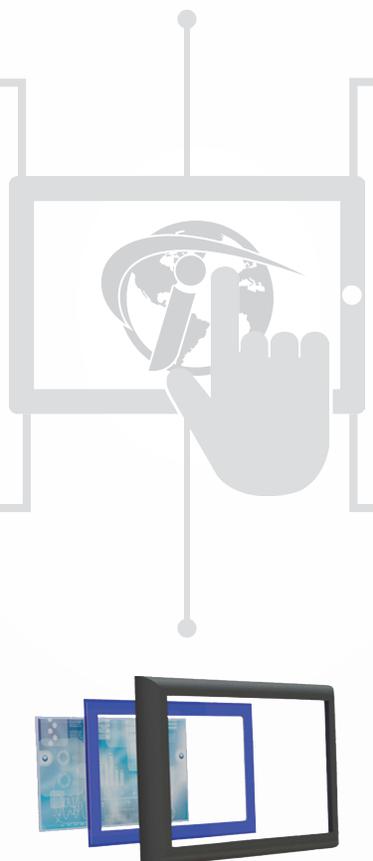


- High-Bright Display
- Sunlight Readable
- EMI Shielding
- Optimized Light & Video Images
- Works with On-Screen Contaminants



Off Road & Heavy Equipment

- High Durability
- Vandal Resistant
- Maintenance Free
- Enhanced Brightness
- Accurate and Easy to Use
- Optimized Viewing Angles



Contact a sales representative at Touch International today for additional information about our Military Display Products and Solutions.

Transportation Surveillance Systems Developer

TRANSPARENT HEATER FOR TRANSIT SURVEILLANCE CAMERA LENSES



Background

The customer needed to develop a solution that would allow cameras to be mounted on the outside of passenger trains for travel monitoring and security purposes.

Challenges

The customer developed a custom camera housing that would be exposed to a multitude of elements at high speeds through various terrain. The most important challenge was extremely low temperatures.

Some of the issues to consider included

1. Maintain optical clarity
2. Ensure the unit resisted debris impact
3. Custom fit existing camera housing
4. Keep the camera lens free from frost buildup

Solution

After considering the customer's vision and the camera's environment, Touch International designed a custom transparent heater that included:

1. Impact resistant, chemically strengthened glass to protect the housing.
2. Index matched ITO to maintain excellent optics.
3. Custom shaped and beveled glass with graphics for seamless match on camera housing.
4. Anti-smudge coating for easier cleaning and clarity when wet.

By offering a fully custom solution that would protect the cameras from any environmental issues, TI was able to provide the customer with a solution to keep ice buildup from blocking the view, and protect the housing and lens from the impact of possible debris making a durable solution for years to come.