

# Panther Black Technology + Optical Bonding

Elegant homogenous **Black Panel Effect**  
across the display and border  
with excellent optical performance



For superior display applications where elegance and design demonstrate quality and aesthetically pleasing solutions.



## Black Panel Effect

- /// Invisible Touch Sensor ITO-Pattern
- /// Optical bonding + optically enhancing film technology



## Improved Sunlight Readability

- /// Decreases reflection on the display glass from external light source, no undesirable 3D effects
- /// Reduced light loss from backlight therefore increased luminance
- /// Improved contrast over viewing angle



## Optical Bonding

- /// Wet silicon bonding between display, touch sensor and glass
- /// Mechanical Strength due to soft bonding adhesive
- /// Condensation resistant with no air gap



# SemsoTec Products and Services

## Engineering Services

### Automotive Displays and Infotainment Services

- › Display Concepts
- › Prototype Development
- › Embedded Software
- › HMI Solutions
- › Test Systems
- › Optical Bonding

### Interior & Car Body

- › Automotive Structures
- › Light Weight Components
- › Driving Dynamics
- › Prototype Development
- › Cockpit Solutions

### Optical Bonding



## Industrial Display Products

- › Display Kits and Touch Display Kits (Kits including: Displays, Glass Solutions, Panther Black Tech., Touches)
- › Panther Black Display Technology
- › Displays & Monitors
- › Tablets & Complete Solutions
- › Customised Specific Solutions