Integrated Control Panel

Visteon offers an array of user interface technologies for all vehicle classes and markets, including growth markets.

The Growth Market Car technology demonstration vehicle showcases a scalable and modular integrated control panel that combines audio, climate and driver information functions and controls into a single harmonious design. This design approach enables differentiation through visually unique implementations. A wide range of surface finish and illumination options is also available to accommodate appearance design requirements. User interface control technology choices include electronic capacitive sensing and conventional mechanical-switch controls.

Developed for growth markets, these implementations integrate function and control for cost-effective and attractive user interfaces.

Benefits

- Modular design allows components and functions to be added to match a wide range of vehicle trim levels.

- Input mechanisms include switch packs, switch panels, capacitive sensing, touch screens, rotary knobs, etc. A range of digital display sizes and orientations is supported.

- Connectivity to portable consumer electronic devices and storage. Additional voice controls and Bluetooth® connectivity can be integrated into the hardware design.

Status

- Production
- Application Ready
- Advanced Development

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Benefits (continued)

- Uniform illumination and appearance design enhance the perception of craftsmanship and user interface quality.
- Thin profile design (without CD/DVD mechanism) reveals cockpit packaging space or allows for increased storage for personal devices.
- Optional integration of climate control algorithms and control mechanisms.
- Optional integration of driver information features and control of remote displays.

Features

- Displays
  - Flexible platforms accommodate wide range of display technologies including segmented and dot matrix LCD and TFT technologies. As shown with 320 x 240 pixel monochromatic TFT display.
  - Capable of driving a secondary display (i.e. instrument cluster display) in either the Integrated Remote Panel or remote in the Instrument Panel.
- Connectivity
  - Modular design enables connectivity features to be added/deleted as needed (Bluetooth®, USB, SD, Aux, Voice, etc.)
- Vehicle Networking
  - Supports single CAN network, LIN, pulse inputs and other serial protocols
  - Optional integration of climate control algorithms and control mechanisms
  - Network alternatives include network gateway
- Illumination
  - Flexible illumination themes achieved through LED illumination, optical film and mechanical baffling designs
  - Uniform display and panel illumination
  - High impact, high contrast lighting
  - Secret-until-lit features
  - Illumination alternatives include valence lighting
- Decoration
  - Low cost, high quality appearance achieved through direct printed technologies
  - Decorative surface alternatives include painted, plated, and mold-in-color
  - Finish alternatives include clear or smoked finish