**Important information always in view**

Positioned directly in the driver’s field of view, the freely programmable instrument cluster (FPC) prepares information on an individual and situation-specific basis and presents it on a high-resolution TFT display. Besides traditional-looking circular instruments with digital needles, these screens can show function displays, route planning graphics, and video footage such as live images from a reversing camera or night vision system. This means that Bosch system display technology offers endless possibilities for representing data.

**Characteristics:**
- Situation-dependent display of comfort, entertainment and safety functions
- Easy adaption for individual models, markets and interior designs without mechanical adaption
- Personalization of user interface e.g. skinning
- Flexible design adjustment
- High resolution TFT display:
  - 1440 x 540 (12.3 inch)
  - 1280 x 480 (10.25 inch)
  - 800 x 480 (7 inch)
In order to ease the burden on the driver, the central control unit prioritizes how information is displayed depending on the driving situation. Important information is presented using larger graphics in the foreground, while less important information is smaller and recedes into the background. Operating functions and secondary information such as route diagrams are shown on the neighboring central display. Drivers can call up desired functions via a personalized user interface.

With its flexibility of use and slim housing, the display design can be tailored to suit individual requirements and is suitable for application in different vehicle models, interiors, and specific markets.

**Coordinated in all aspects – Volvo XC90**

This 12.3 inch instrument cluster is perfectly connected and coordinated with the large touchscreen in the center console. Besides a coordinated design, this cluster also displays content, such as incoming calls, from the infotainment system. Calls can then be answered using a button on the steering wheel, allowing the driver to keep looking ahead. Furthermore, the instrument cluster software controls how information is presented by the optional head-up display. Among its various other tasks, the software processes the data in such a way as to ensure the projected information is clearly readable even on the curved windscreen.

**Virtual Cockpit – Audi TT**

A display-based instrument cluster replaces the previous technology and bundles all of the instrument, navigation, and multimedia information right in the driver’s field of vision. The crystal-clear, high-contrast TFT display features extraordinary luminous intensity of 800 candela for perfect readability under all light conditions. The screen has a diagonal size of 12.3 inches, particularly high resolution of 1440 x 540 pixels, and color depth of 24 bits.

**eCluster**, a display specially developed for smaller vehicles, has a 7-inch screen with a resolution of 800 x 480 pixels. This compact display integrates all the functions of a central display and an instrument cluster in one device. AM/FM tuner and amplifier are fully integrated within the unit with the option of extending with voice recognition and mySPIN smartphone integration features. Its modular concept with scalable value-add functions offers total-cost-of-ownership benefit for the OEM. Cost innovation is generated by overcoming classical system boundaries for specific customers segments. Thanks to its size, it is also suitable for powered 2-wheelers.