



PRODUCT PROFILE
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TFT Instrument Cluster

DENSO Corporation has developed a new reconfigurable, thin film transistor (TFT) instrument cluster that features an integrated night view system. The new instrument cluster is the world's first to use a full-screen, thin film transistor (TFT) display to show instrument cluster gauges.

DENSO's 12.3 inch reconfigurable TFT display provides all the information of a conventional instrument cluster, but also features different viewing modes. The driver can switch from normal driving graphics to sports mode, economy mode or the night view image mode in accordance with his or her personal preferences.

The instrument cluster's night view system, which helps improve nighttime vision by detecting pedestrians and other potential obstacles in the road, is a world's first to use near-infrared light. The near-infrared light provides a clearer image during nighttime hours compared to conventional systems that use far-infrared light.

Also, when the car navigation is set to provide route directions, upcoming lane information, traveling direction and distance to an intersection can be shown in the instrument cluster display.

This instrument cluster was installed in the Toyota Hybrid Crown in Japan in May 2008.

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