Visteon®

NEWS RELEASE

Visteon engineering lead details company's advanced instrument cluster portfolio

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As an industry leader in instrument clusters, Visteon is shaping the automotive playing field in this segment as it transitions to all-digital solutions. Identifying digitization as the key cockpit electronics development trend – which is shifting from luxury to mass-market vehicles – Visteon is adopting innovative digital technology in its latest solutions which feature in a range of vehicle models including the Ford Mustang, Lincoln Navigator and Range Rover Velar.

In a new video, Chris Round, engineering manager, instrument clusters, presents production clusters and advanced demonstration properties that are design-rich, flexible and, importantly, allow automaker customization. This approach facilitates the integration of functions and features required for a connected and increasingly autonomous future.

With a wide portfolio ranging from affordable entry-level driver information to luxury car solutions, Visteon provides retina-class resolution, rich graphics, photorealistic rendering and smartphone integration with its latest cluster technology.

Now targeting the all-digital space, Visteon has developed a number of solutions with varying capabilities for different markets and customer requirements.

Entry Level

Visteon’s entry digital instrument cluster incorporates a 7-inch reconfigurable display and is aimed at price-sensitive

and emerging markets, supplying a cost-effective option that provides scalable solutions. The cluster is also able to drive a basic combiner head-up display with the capability to render 2-D and 2.5-D graphics.

Mid-Level

The mid-level digital instrument cluster represents a 10.25-inch reconfigurable solution, using a single chip design in a very small form factor board, with highly integrated hardware design, allowing compact form factor and very slim styling. With a thin bezel, the cluster has a tablet-style finish – a feature that supports Visteon's market leadership in a fast-growing segment of the instrument cluster market.

High End

Visteon's large digital instrument cluster utilizes advanced 3-D graphic renderings to provide an enhanced user experience for customers. The 12.3-inch, 1920x720 resolution display offers a scalable platform solution using a single chip design in very small form factor board. It incorporates secure boot and software over-the-air (OTA) update infrastructure, while aesthetic cover glass gives a seamless look and feel.