Continental MFC430TA - Forward Automotive Camera for Advanced Driver Assistance Systems

Continental attempts to penetrate the forward camera market with a distinctive architecture and cost effective solution

The fourth generation of Continental’s forward looking Multi-Function Mono Camera, MFC430, is trying to catch up in the Asian market for forward cameras for Advanced Driver Assistance Systems (ADAS).

This version provides driver assistance functions like lane departure warning, traffic sign assist and intelligent headlamp control. In addition, object detection for forward collision warning and pedestrian detection is available.

The MFC430 camera architecture is based on an innovative system-on-chip from Texas Instruments implemented with a self-diagnosis system for the recognition of problems such as contamination, as well as imager and central processing unit functions. Integration and cost optimized design makes it one of the cheapest options among forward cameras for ADAS.

Based on a teardown of the system, this report details a complete bill of material, and the camera’s manufacturing and packaging processes. Electronics, housing and imaging are presented in the report as well as the physical analysis of the CMOS Imaging System. An estimation of the manufacturing cost and selling price is included.

This report is best when used to compare design architecture and price analyses of the other main players’ cameras such as Bosch’s MPC2 and TRW’s SCam-3. In fact, a complementary comparative analysis of the three cameras will be provided to everyone who buys our three reports in a bundle.

Title: Continental MFC430TA Multi-function Mono Camera
Pages: 94
Date: April 2017
Format: PDF & Excel file
Price: Full report: EUR 2,990
Bundle Offer: EUR 7,500 with reports on TRW S-Cam 3 and Bosch MPC2

COMPLETE TEARDOWN WITH:
• Detailed photos
• Precise measurements
• Material analysis
• Complete bill of material
• Component pricing
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• Selling price estimation
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ANALYSIS PERFORMED WITH OUR COSTING TOOLS SYSCOST+ AND IC PRICE+

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