



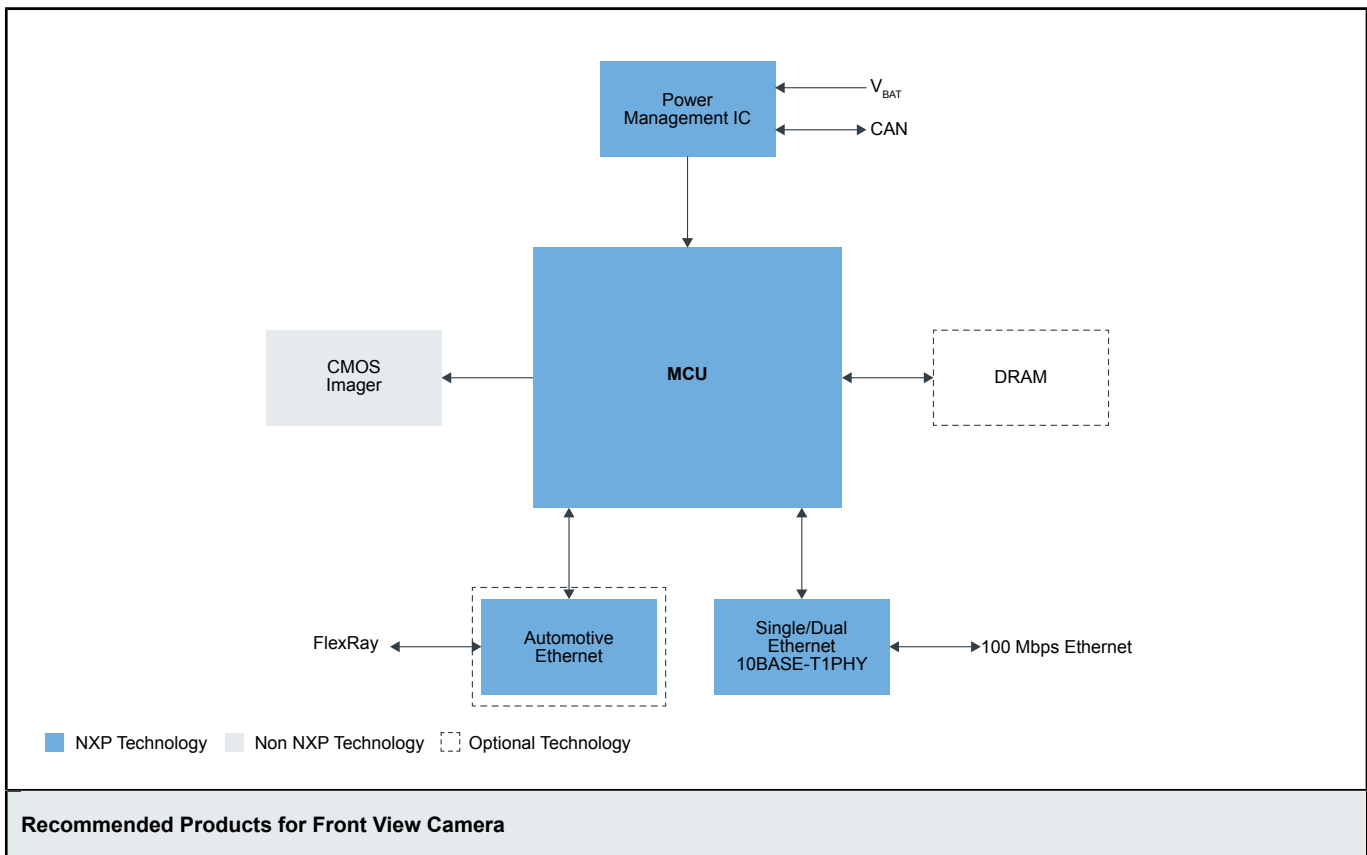
# Front View Camera

Last Updated: Jan 4, 2022

Camera systems in advanced driver assistance systems can analyze the video content for lane departure warning (LDW), automatic lane keeping assist (LKA), high/low beam headlight control and traffic sign recognition (TSR).

For a front view camera, an image sensor provides incoming video frames to a dual-core MCU optimized with DSP extensions for image processing. Additional system requirements include an appropriate physical communication interface, a power supply, an optional DRAM and embedded flash for low system cost.

## Front View Camera Block Diagram



MCU	<ul style="list-style-type: none"> <li>• <a href="#">MPC567xK</a>: Ultra-Reliable MPC567xK MCU for Automotive &amp; Industrial Radar Applications</li> <li>• <a href="#">S32V2 Processors for Vision, Machine Learning and Sensor Fusion</a></li> </ul>
Automotive Ethernet	<ul style="list-style-type: none"> <li>• <a href="#">SJA1105TEL</a>: Five- Ports AVB and TSN Automotive Ethernet Switch</li> <li>• <a href="#">TJA1101/TJA1101B</a>: Robust, Low Power 100BASE-T1 PHY Transceiver</li> </ul>
Power Management IC	<ul style="list-style-type: none"> <li>• <a href="#">FS8400</a>: Safety System Basis Chip for S32 Microcontrollers, Fit for ASIL B</li> <li>• <a href="#">FS5600</a>: Automotive Dual Buck Regulator and Controller with Voltage Monitors and Watchdog Timer</li> <li>• <a href="#">PF7100</a>: 7-Channel Power Management Integrated Circuit for High Performance Applications, Fit for ASIL B Safety Level</li> <li>• <a href="#">PF5024</a>: Multi-Channel (4) PMIC for Automotive Applications – 4 High Power, Fit for ASIL B Safety Level</li> </ul>
Automotive Ethernet	<ul style="list-style-type: none"> <li>• <a href="#">SJA1105TEL</a>: Five- Ports AVB and TSN Automotive Ethernet Switch</li> <li>• <a href="#">TJA1101/TJA1101B</a>: Robust, Low Power 100BASE-T1 PHY Transceiver</li> </ul>

View our complete solution for [Front View Camera](#).

**Note:** The information on this document is subject to change without notice.

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