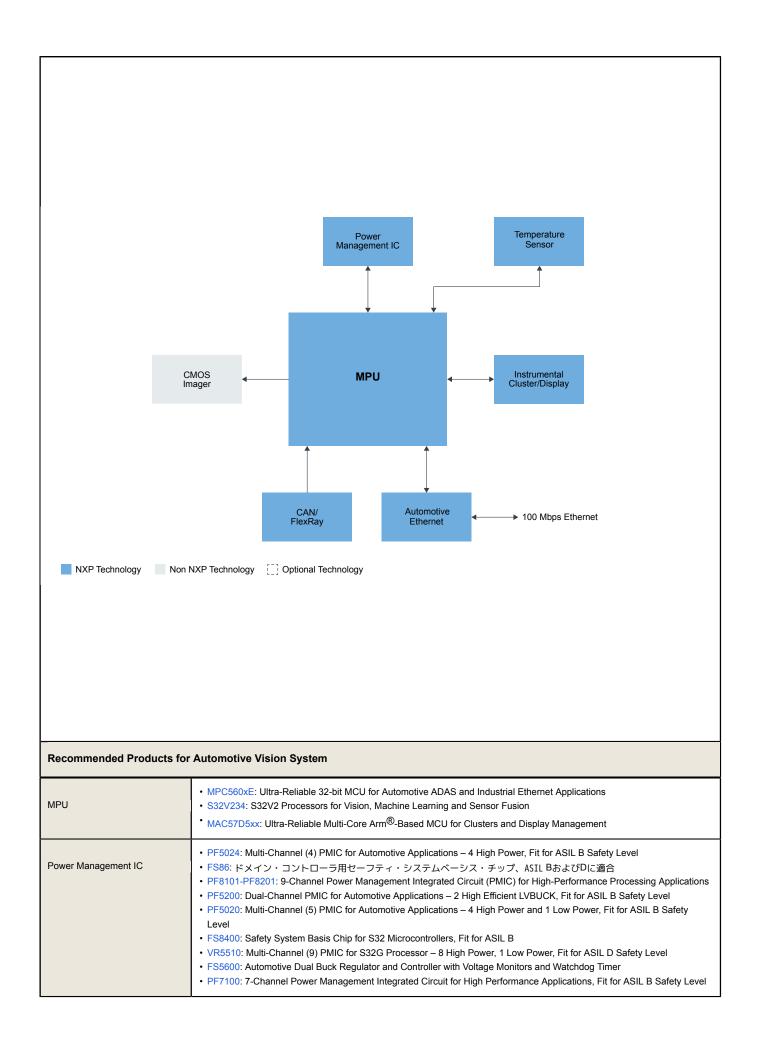


Automotive Vision Systems

Last Updated: Nov 22, 2023

Accelerating innovation in automotive vision technology is fueling a transformation in advanced driver assistance systems (ADAS) and will help to enable the achievement of fully autonomous L5 vehicles. ADAS Vision Systems currently provide many assist functions for today's driver. The vision system is a key part of that capability as cars perceive their surroundings and decide on the actions required to maintain the safety of all road users. Co-piloting and then fully automating a car requires technology with automotive grade reliability, safety and security. Our S32V vision processor provides the requisite performance and features for vision system applications.

Automotive Vision System Block Diagram



車載イーサネット	 TJA1120: TJA1120、ASIL B準拠、車載用イーサネット1000BASE-T1 PHYトランシーバ TJA1101: TJA1101B、IEEE 100BASE-T1準拠、車載用イーサネットPHYトランシーバ TJA1103: TJA1103、ASIL B準拠車載イーサネット100BASE-T1 PHYトランシーバ
CAN/FLexRay	TJA1043: High-Speed CAN Transceiver with Standby and Sleep Mode TJA1081G: FlexRay [™] Node Transceiver - Clamp 30 TJA1463: CAN Signal Improvement Capability Transceiver with Sleep Mode
Instrumental Cluster/Display	TJA1101: TJA1101B、IEEE 100BASE-T1準拠、車載用イーサネットPHYトランシーバ TJA1103: TJA1103、ASIL B準拠車載イーサネット100BASE-T1 PHYトランシーバ
温度センサ	 P3T1755DP: I3C/I²Cバス対応、±0.5° (精度デジタル温度センサ P3T1750DP: I3C/I²Cバス、±1° (精度、デジタル温度センサ

View our complete solution for Automotive Vision Systems.

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