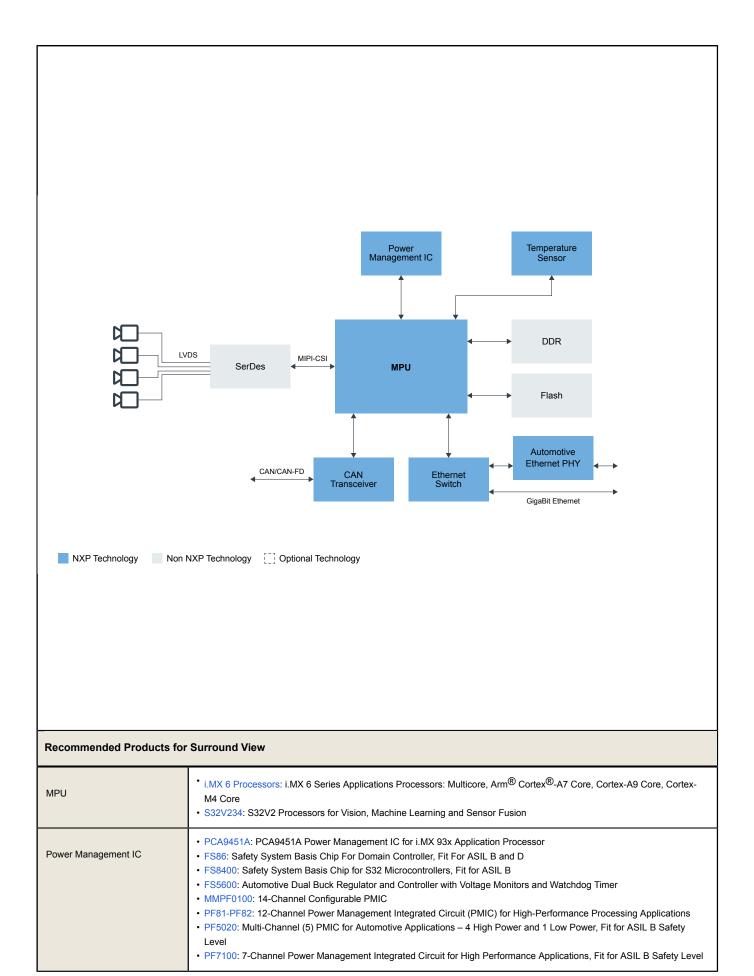


Surround View

Last Updated: Jun 2, 2023

Multi-camera surround view and sense park assist systems capture and display onscreen the area surrounding the car from a virtual 3D view. The perspective is dynamically moved depending upon the trajectory of the car, providing a 360° view around the car. Advanced parking systems deploy four to five high-dynamic range (HDR) > 1 MP cameras using a cost-effective link such as MIPI-CSI or Gb Ethernet. Our S32V family provide up to four high-performance Arm® Cortex®-A53 cores, advanced graphics and vision accelerators for processing of up to five >1 MP video streams at > 30 fps.

Surround View Block Diagram



Auto Ethernet	TJA1120: TJA1120, ASIL B Compliant Automotive Ethernet 1000BASE-T1 PHY Transceiver TJA1103: TJA1103, ASIL B Compliant Automotive Ethernet 100BASE-T1 PHY Transceiver
Ethernet Switch	SJA1110: Multi-Gig Safe and Secure TSN Ethernet Switch with Integrated 100BASE-T1 PHYs SJA1105PQRS: SJA1105PEL/QEL/REL/SEL Series Ethernet Switches
CAN Transceiver	TJA1043: High-Speed CAN Transceiver with Standby and Sleep Mode TJA1463: CAN Signal Improvement Capability Transceiver with Sleep Mode
Temperature Sensor	• P3T1750DP: I3C/I ² C-Bus, ±1 °C Accuracy, Digital Temperature Sensor • P3T1755DP: I3C/I ² C-Bus ±0.5 °C Accurate Digital Temperature Sensor

View our complete solution for Surround View.

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