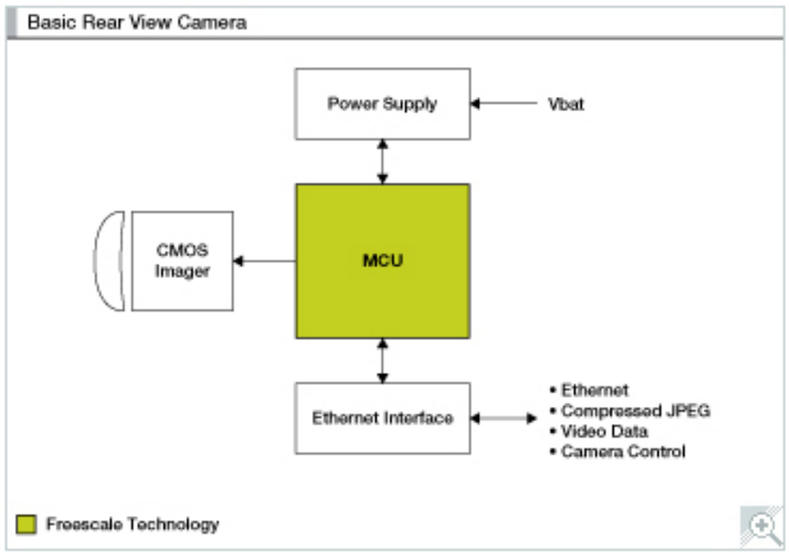
Basic Rear View Camera ☆

Overview | Documentation | Software & Tools | Training & Support

Rear view camera systems help drivers identify an object or a person in the back of a car and back up safely and maneuver conveniently into parking spaces. In advanced systems, a high-dynamic range (HDR) 1 megapixel camera is deployed using a cost-effective link with fast Ethernet and video compression over unshielded twisted pair cable. Additional system requirements include an appropriate physical layer interface and a power supply.

The highly-integrated Qoriwa MPC5604E 32-bit MCU, built on Power Architecture® technology, manages video streaming and camera control, reducing required communication bandwidth to less than 100 Mbps. The MPC5604E MCU uses low-latency video compression together with an intelligent bandwidth management for maximum quality. The MPC5604E MCU supports Ethernet AVB compliant IEEE® 802.1AS Precision Time Protocol (PTP) for accurate synchronization of camera exposure.



Target Applications

- Back-over Protection with Emergency Braking
- Blind Spot Detection
- Intersection Management
- Pedestrian Detection
- Surround View Park Assist

Recommended Solutions

Products	Features	Advantages

Featured Training & Events

On-Demand Training

Automotive Ethernet Camera Software Solution

Building Active Safety Applications: 77 GHz Radar Solution...

MPC564xL Safety Demonstration – Fault Detection

Live Training

Live In-depth Training

Events

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SafeAssure Functional Safety Program
Solutions targeted to help meet IEC 61508 and ISO 26262 functional safety compliance

Featured Video

Ethernet Camera for Park Assist with