

Multi purpose camera 3rd generation for commercial vehicles

Monocular camera platform for video-based driver assistance systems for heavy commercial vehicles

Combination of classic algorithms and artificial intelligence in powerful video sensor with integrated control unit



future-proof optical attributes

with increased range at the center and large field of view

artificial intelligence

for robust perception and behavior prediction

precisely tailored

to the requirements in heavy commercial vehicles

- ▶ System-on-chip with Bosch know-how for cutting-edge computer vision algorithms
- ▶ Reliable full scene understanding for increased safety using algorithmic multi-path approach
- ▶ Housing with integrated control unit and robust hardware design
- ▶ Complies with legal requirements for heavy commercial vehicles



TECHNICAL CHARACTERISTICS

Optics	Horizontal field of view	± 50°
	Vertical field of view	+ 27° upwards - 21° downwards
Imager	Resolution	2,6 MP HDR (2.048 x 1.280 Pixel)
Functional characteristics	Detection algorithms	Vehicles Pedestrians Cyclists Road signs Light objects Deep neural networks Structure from motion
	Integrated driver assistance functions	Lane departure warning Lane keeping assist Road sign information Intelligent headlight control
	Others	Object interface for sensor data fusion (on external ECU)
Safety level		up to ASIL-B
Mechanics	Box size	120 x 72 x 44 mm