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Our camera is based on a high-quality modular development platform which allows individually tailored solutions, specially adapted to customer requests, in one camera.

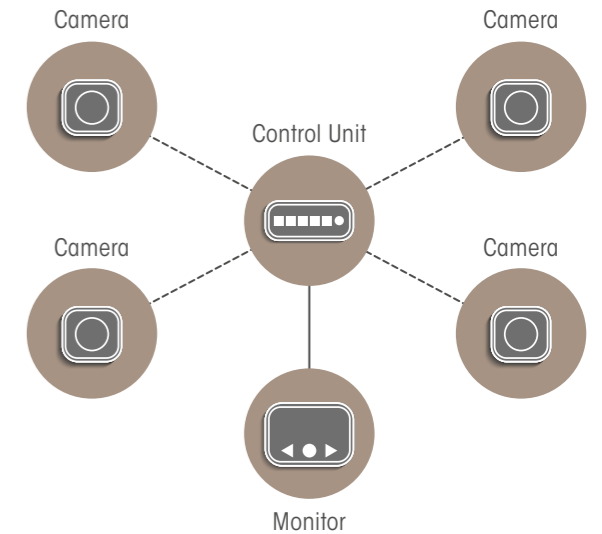
The camera is recommended for use with, but not limited to agricultural and construction machines, forklifts, buses, recreational vehicles, vans, trucks, fire trucks and municipal vehicles. Due to the modular design of the camera, design adaptation to the respective vehicle type can be accomplished in a time-saving and cost-effective manner.



Platform Camera

Product information and application examples

Sample System configuration





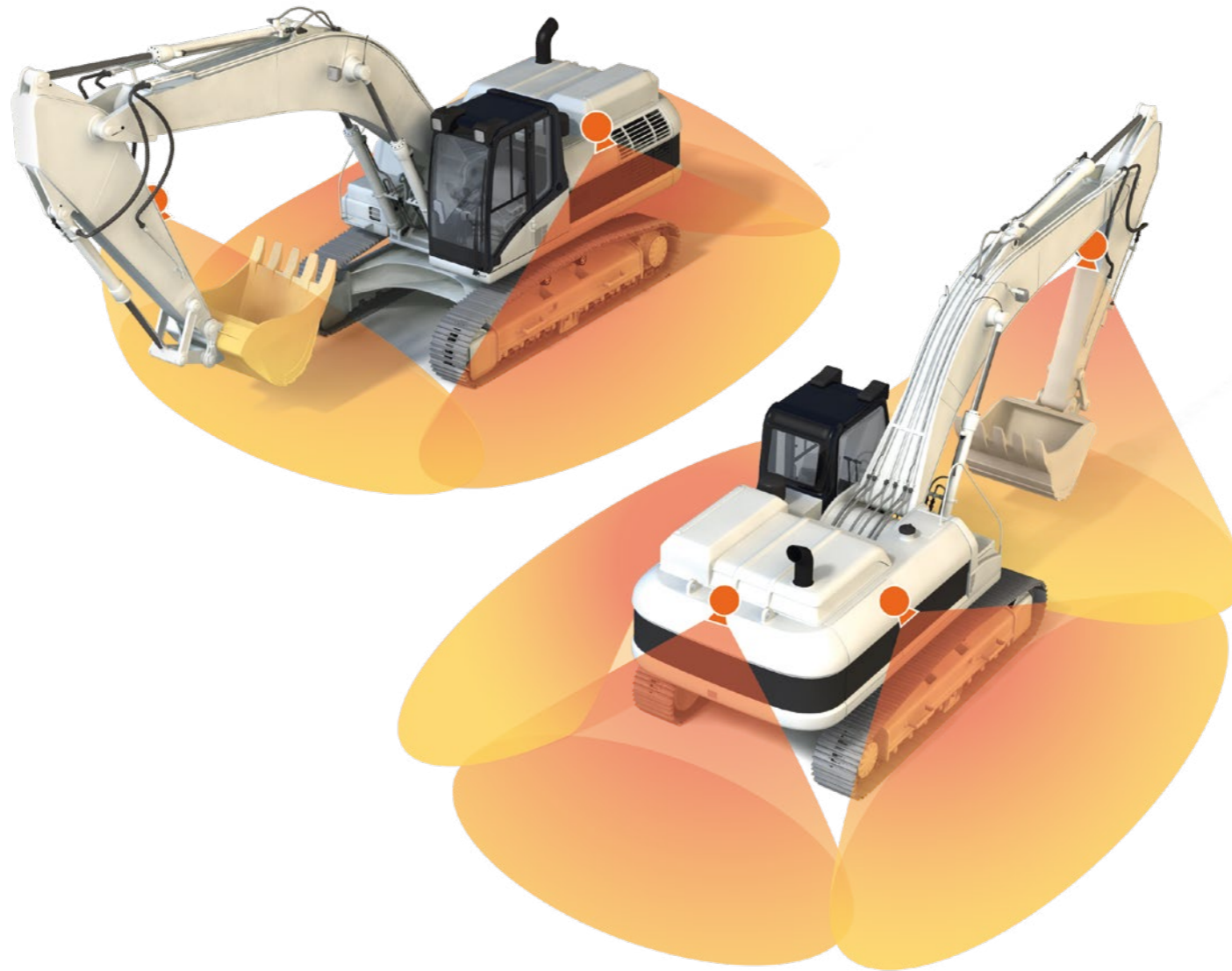
Analogue Camera

Measurements	W x H x D: 35 x 35 x 34 mm
Protection class	IP 69 K
Temperature range	-40 °C to +85 °C
Operating Voltage	9 - 36 V
Aperture angles	70°, 100° or 120°
Image sensor	VGA
Resolution	640 x 480 Pixel
Video stream	PAL oder NTSC



Digital Ethernet Camera

Measurements	W x H x D: 35 x 35 x 49 mm
Protection class	IP 69 K
Temperature range	-40 °C to +85 °C
Operating Voltage	9 - 36 V
Aperture angles	100°, 120° or 180°
Image sensor	1.2 MP
Resolution	1280 x 720 Pixel
Video stream	UDP or RTP
Video compression	MJPEG or H.264



The single, extremely durable camera components are built into a compact size of 35 mm x 35 mm. The length of the camera varies according to the model, but is at least 34 mm so that integration or attachment to almost all locations on the vehicle is possible. **Due to the modular design, a wide range of image sensors, image processing and transmission techniques can be cost-effectively combined for the individual customer.**

The available image sensors satisfy automotive requirements and have a VGA standard resolution of 1.2 megapixels. The image processing adapts to the respective performance of the image sensor. The transmission techniques include both PAL or NTSC formats as well as digital transmission standards i.e., Fast Ethernet, BroadR-Reach or LVDS.

In addition, different optical designs with various horizontal opening angles can be combined with the platform components. The analogue range has opening angles of 70°, 100° or 120°, and 100°, 120° or 180° opening angles in the digital range (further aperture angles are possible).

The MEKRA Platform Camera is distinguished by its particularly robust housing, making it ideally suited for use in harsh environmental conditions. In addition, it is characterized by a powerful, integrated heating system, which de-ices the lens within a few minutes in all weather conditions.