MEKRA’s surround view system provides 360° vision by combining our extremely rugged cameras, which have been tried and tested for years, with a new generation of monitors.

It is up to the driver to configure the display of the individual camera images manually or to have this done automatically by using the vehicle’s signals as triggers. This provides optimum visibility in critical areas for the respective driving or work tasks: rear view camera, a combination of side and rear view cameras, or complete surround view.

In order to merge the camera images, the system does not have to rely on a control unit that requires calibration during initial installation. Furthermore, no new “blind spots” are created when dealing with complex machine configurations.

**Surround View**

Product information and application examples
**7" MEKRA LED Monitor**
- Resolution: 800 x 480 Pixel
- Operating voltage: 9 - 36 V
- Video format: PAL / NTSC (automatic)
- Camera inputs: 4, Splitscreen possible
- Aspect ratio: 7” / 16:9
- Day and Night switch: automatically through sensor
- Power drain: approx. 10 W
- Protection class: IP 65

**CMOS Camera**
- Vibration resistance: 50 G
- Operating Voltage: 10 - 36 V
- Measurements: 65 mm x 59 mm x 50 mm
- Aperture angles: 28°/50°/70°/100°/120°/130°
- Video format: PAL or NTSC
- Temperature range: -40 °C to +85 °C
- Protection class: IP 69K

**CMOS Ball Camera**
- Vibration resistance: 50 G
- Operating Voltage: 10 - 36 V
- Measurements: 65 mm x 59 mm x 50 mm
- Aperture angles: 28°/50°/70°/100°/120°/130°
- Video format: PAL or NTSC
- Temperature range: -40 °C to +85 °C
- Protection class: IP 69K

**AMP - MEKRA (m-f)**
- Cable length: 5 m, 11 m, 16 m and 21 m
- Plug connection: IP 69K (MEKRA-side)
- OIL- and fuel resistant
- ADR-tested
- UV-resistant
- For the direct connection of MEKRA-Cameras from the Camera family 100000 to the MEKRA-Monitors 507405 and 50741