

**Vision is
our mission[®]**



**AIRPORT EQUIPMENT
VISION SOLUTIONS**



Vision is our mission®

It is Orlaco's vision that optimal visibility around every vehicle should be the norm. It provides safety, less damage, comfort and efficiency. Vision is our mission®. We develop professional vision solutions for every situation.

At airports, when loading and unloading airplanes, in as short amount of time as possible, and with pressure mounting, activity increases around the plane. Different kinds of vehicles and a wide variety of airport employees are performing various jobs during this process.

Orlaco's cameras offer a safe, efficient and comfortable solution at airports around the globe. Operators of airport vehicles need to work fast and with precision. Sometimes they miss the mark because their rear-view and/or side-view mirrors are simply not enough. Our camera and monitor systems comply with stringent requirements and are EMD and ADR approved. This means that numerous configurations are available for transporting hazardous materials.

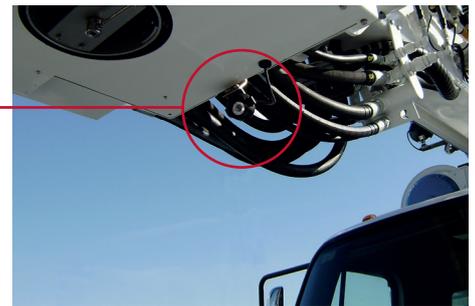
application possibilities

- Belt loaders.....
- Buses.....
- Cargo tractors.....
- Catering trucks.....
- Crash tenders.....
- De-icing trucks.....
- Drinking-water trucks.....
- Pallettransporters.....
- Push-back tractors.....
- Aircraft Refuellers.....
- Hydrant Dispensers.....
- Tow tractors.....

De-icing trucks



A de-icer truck operator, multi-tasking in their rather unusual driving position and limited time frame can carry out their work more efficiently by having Orlaco cameras positioned at the back of the truck and underneath the operator cabin, which is moving close to the wings and body of the plane. Operating the vehicle from the cabin is difficult because in some cases either the plane blocks the view or the cabin is maneuvered in such situation that vision behind the vehicle is none. Our self cleaning camera, the ATVC, is heated and therefore THE solution in wet and cold circumstances. Perfect to clean off the de-icing residue. The special cables that we use are able to withstand the continuous movement of the machine.



camera possibilities

Orlaco cameras

- Fixed or zoom lens (480x zoom)
- High resolution
- Waterproof IP69
- Corrosion resistant
- Heated lens surface
- Shockproof and vibration resistant
- EMC approved and certificated
- -40° to +85° operating temperature



FAMOS Camera

- Aperture angle for every solution
- Improved EMC-standards



FAMOS Camera InfraRed LED

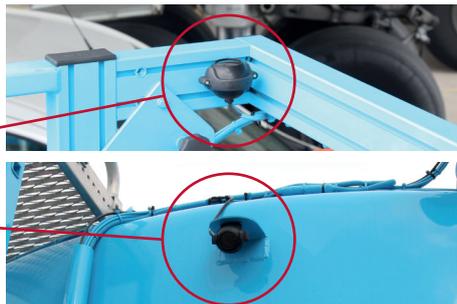
- Lens angle 80° / 118°, 24V/DC
- 4 High Power Infrared LEDs 850nm



Aircraft Refuellers / Hydrant Dispensers



Strategically-placed Orlaco cameras give refueling tank and dispenser truck operators a much easier time seeing effectively around blind spots and positioning the truck's nozzle directly below a plane's fuel tank. Our vision system displays through a high quality dashboard mounted monitor a sharp, real time view of whatever the cameras see. These monitors feature special marker lines that enable the truck operator to position the vehicle and nozzle with the great precision that is required when working safely with heavy hoses and hazardous liquids. The All Time Vision Camera, ATVC, is even self-cleaning. Perfect for viewing up towards the planes body.



Hydrant Dispensers



All Time Vision Camera (ATVC)

- Self cleaning camera system by a rotating glass tube and fluid



Camera AF-Zoom

- Aluminium black or stainless steel
- Optional pan and tilt unit available



Thermal Image Camera (TIC)

- Aluminium black or stainless steel
- Optional pan and tilt unit available

Tow tractors



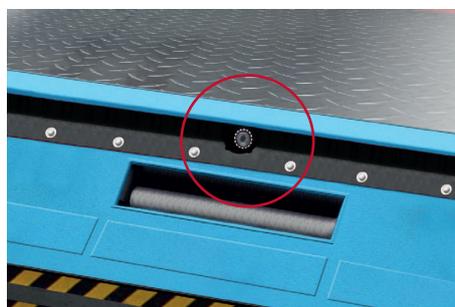
Because of the position where the driver is seated, it is hard or sometimes impossible to view the connection between the truck and cart/tow bar. A camera placed at the back of the truck, allows the driver to view the connection on his monitor inside the cabin.



Push-back tractors



Front and back mounted Orlaco cameras with application-specific angles allow a push-back truck operator to see clearly the tow bar or behind and below a plane; then it can be backed up into position with potential ease. At night, our IR led cameras offer Infra Red vision.



Crash tenders



Orlaco offers several total (Plug and Play) solutions for crash tenders. Our DEVS compliant solutions contains a robust, waterproof Thermal Imaging (Far Infrared) camera mounted on a Pan and Tilt unit, with tailor-made cables and a 12" monitor. It is also possible to extend the systems with an easy video recorder. Next to that, more and more customers include a daylight zoom camera, rearview camera, and even side view cameras.



monitor possibilities

Orlaco monitors

- LED Backlight technology
- Full On-Screen-Display (OSD)
- Brightness automatically adjust to light
- Shockproof and vibration resistant
- IP67 according to IEC 60529
- -40° to +85° operating temperature



Monitor 7" RLED

- 7inch LED backlight display
- Including user-adjustable bracket



Monitor 12" RLED

- 12inch LED backlight display
- Including user-adjustable bracket

