

Smart-Vision

Camera Monitoring System



REPLACEMENT OF REARVIEW MIRRORS WITH HIGH-DEFINITION CAMERAS AND INTERIOR DISPLAYS

- ✓ **OPTIMIZED VISIBILITY**
- ✓ **REDUCED DRIVER FATIGUE**
- ✓ **QUICK ROI**



RETURN ON INVESTMENT IN 2 YEARS

- Lower **maintenance costs**
- Maximized **vehicle's availability**
- **Fuel saving** (up to 5%) by improved aerodynamics

CUSTOMIZABLE PARTS

To suit your vehicle design and requirements

EASY TO INSTALL

For original equipment or retrofitting

IMPROVED DRIVING SAFETY

- **No more lateral blind spot**
- Monitors with **automatic brightness adjustment** (tunnel, night, rain...)
- **No more glare** of the sun or lights
- **No more reflection**
- **Better visibility** at night, in rainy conditions and on damaged roads
- **Enhanced ergonomics** compared to standard rearview mirrors

REDUCED FATIGUE

Especially at night and in bad weather conditions

NO VIBRATIONS

For maximum visibility and noise reduction



In-house
electronics and
software



Developed according to :

- **R10**
- **R46 – R118**
- **ISO 26262**
- **ISO 16505**
- **ISO 16750**



Camera

Available Class	II, IV, V, 56
Features	<p>High Dynamic Range sensor 1 Mp, 30 fps</p> <p>Low light management, auto-white balance, color correction, auto exposure</p> <p>Anti-reflective, heating, hydrophobic</p> <p>IP67 – IP69K</p> <p>Tempered glass</p> <p>Cleaning system</p>
Weight of the camera module	600g
Connection	Each camera is individually connected to and powered by the monitor

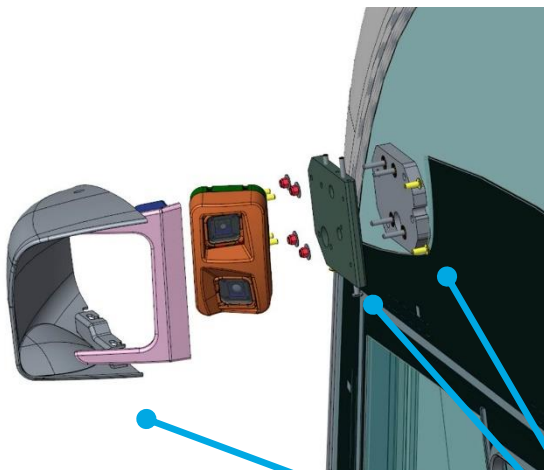
Monitor

Screen resolution	1920 x 720 px
Screen size	12.3 Inches
Active area	292 x 110 mm
Glass	<p>Tempered</p> <p>Anti-reflective, anti-smear treatment</p>
Weight	1800g
Brightness	850 cd/m ²
Brightness adjustment	<p>Automatic on each screen</p> <p>Possible manual adjustment with a slider</p>
Nominal power supply	24 VDC and 12 VDC
Power consumption	40W max per monitor
Electrical protection	Protected against reverse polarity, load dumps, spikes and surges

Various

Latency	< 80 ms
Operating temperature	-40°C / +85°C or -40°F / +185°F
System homologation	UTAC (France) & FMCSA exemption (USA)
Approval in vehicles	UTAC (France), TÜV (Germany), VCA (England), DTC (Switzerland), VINCOTTE (Belgium) and IDIADA (Spain)
Certifications	R46 – R10 – R118
Development standards	ISO 26262 – ISO 16505 – ISO 16750
Options	Maneuver assistance lines

Camera



Monitor



Customizable parts defined and produced by Vision Systems or clients:
camera cover, adaptation plate, vehicle interface and fixing points