

INTELLIGENT COCKPIT SOLUTIONS

VARROC 360° SURROUND VIEW SYSTEM

**360° Clarity, Zero Blind Spots:
Smarter Driving with AI-Powered Surround
View Technology**





PRODUCT DESCRIPTION

360 Surround View System uses the frequency coverage of multiple cameras to cover the surrounding environment and blind spots of the vehicle. At the same time, the system integrates AI machine vision algorithms.

When there are pedestrians around the vehicle, it actively prompts the alarm, and the alarm is linked with the on-board screen. The on-board display screen will display the corresponding scene to provide intuitive prompts to the driver.

As the driver maneuvers, the system stitches together live feeds from each camera, creating a composite bird's-eye view displayed on the vehicle's infotainment screen.

This innovative technology aids in parking and tight maneuvering, ultimately preventing accidents and providing a new level of confidence behind the wheel.

CAMERA SPECIFICATIONS:

- Image sensor: **1/2.9 COMS**
- Video formats: **PAL/NTSC**
- Photosensitive pixels: **1920×720P**
- Image sharpness: **1920 TVL**
- Frame rate: **25/30FPS**
- video signal: **AHD**
- Minimum illumination: **0.01Lux GC 2053**
- Viewing Angle: **level 200°**
- Signal to noise ratio: **>39db**
- white balance: **Automatic**
- Gain control: **Automatic**
- Rated operating current: **120mA**
- Rated operating voltage: **5V**

FEATURES

Multiple strategically placed cameras offer a 360-degree real-time view. It consists of four to six wide-angle (fish-eye lens) cameras mounted around the vehicle, each facing a different direction.

From these camera inputs, a composite view of the surroundings of the vehicle is synthesized. Live feeds from each camera are stitched together, for a bird's-eye view.

Enhances parking and maneuverings.

Eliminates blind spots, increases visibility and boosts driver confidence.



SYSTEM SPECIFICATIONS

- **CPU:** T300S
- **Processor:** 32 bit RISC CPU@ 1 5GHz, 32KB I-Cache, 32KB D-Cache
- **Video output:** Cv bs(n/P) 720P/AHD/VGA/HDMI
- **Video input interface:** 4 or 6 channel input
- **Video co-dec:** Support H.264 (BP/MP/HP) encoding, I/P frames
- **Output display interface:** YUV420,RGB565,ARGB888
- **working voltage:** 12-24V
- **working temperature:** -20°~+80°



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