

# AROUND VIEW MONITOR

RAD-1000

RoyalTek

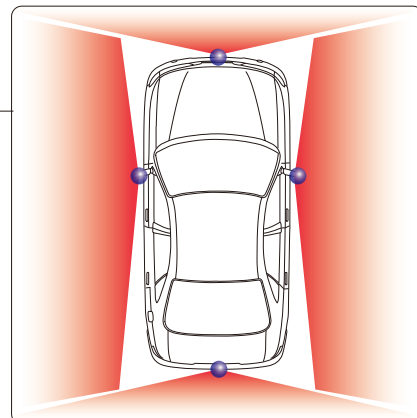


## Real-time

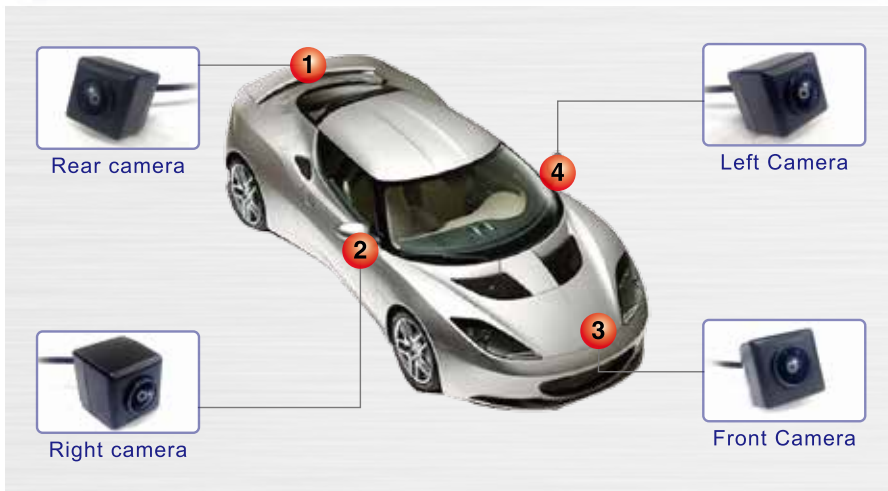
Capture real-time images of around vehicle And display on the screen of head-unit

## 360° DEGREE SCENE Four Cameras

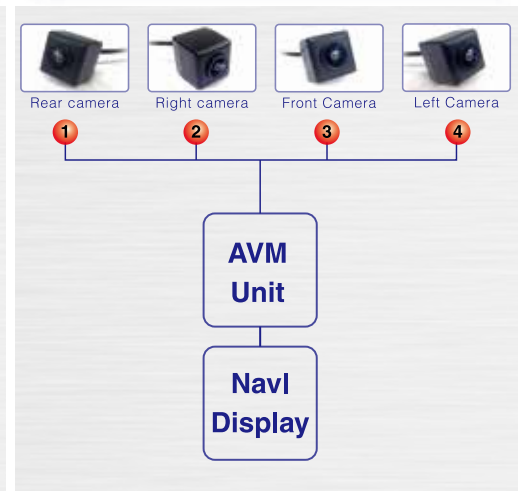
- ◆ The system can display the vehicle's 360-degree surroundings.
- ◆ To provide the video information to support driver safely driving.
- ◆ Make parking easier for driver every day.
- ◆ Eliminate blind areas to avoid car accidents.



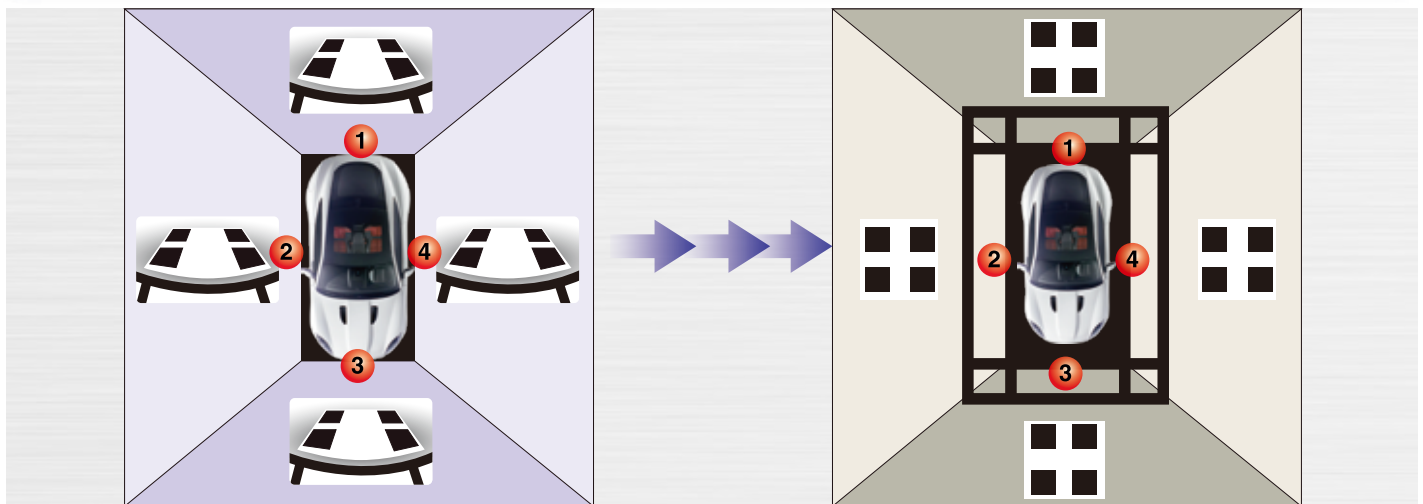
## Installation



## AVM Block Diagram



## 4 Vehicle-mounted cameras → Merge into one top view image



## HW Specification

Video	Support 4 CH NTSC CVSB Input Support 1 CH NTSC CVBS Output	Power Consumption	Low Power Consumption under 500mW
Camera	Support VGA/30fps resolution CMOS Sensor Support 4G/IR LENS up to 0.3M pixel Support wide view angel up to 180 degree	Temperature	-40 °C~+85 °C
Input Power	9~32V	Dimension	BOX @ 15.4(W)x95.5(H)x33.5(D) mm
External I/O	Support Power Green LED Indicator UART/CVBS-Out/ IR CMOS CVBS-In x 4 Audio In/Out Right-turn/Left-turn/backward signal	Feature	<ul style="list-style-type: none"> <li>• Fisheye distortion correction</li> <li>• X, Y, Z axial and view angle flexible adjustment for each camera</li> <li>• Perspective image adjustment</li> <li>• Smart scalar engine embedded</li> <li>• Auto light compensation (brightness, contrast) and color adjustment (hue, saturation)</li> <li>• OSD engine (JPG )</li> <li>• Dynamic and static car motion line</li> <li>• Around View + Side View (Front/Left/Right/Back)</li> </ul>