

AROUND VIEW MONITOR

RoyalTek

RAD-1000



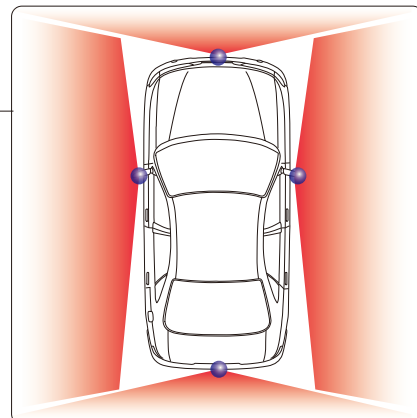
Real-time

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

360° DEGREE SCENE

Four Cameras

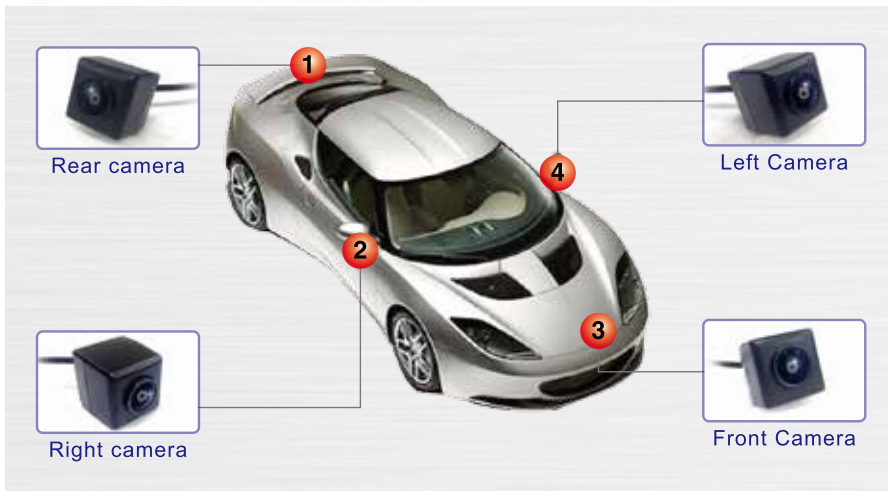
- ◆ The system can display the vehicle's 360-degree surroundings.
- ◆ To provide the video information to support driver safely driving.
- ◆ Make parking easier for driver every day.
- ◆ Eliminate blind areas to avoid car accidents.



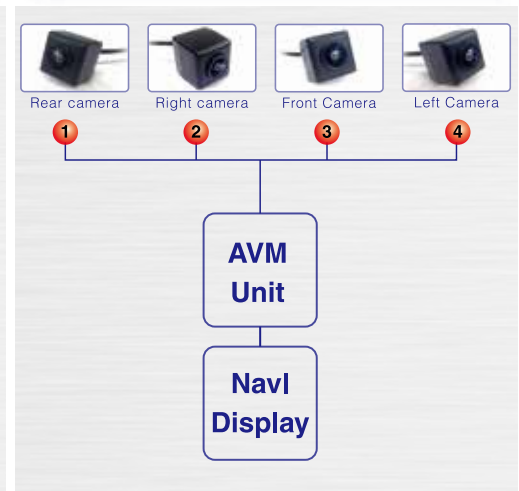
RoyalTek

4F, No.188 Wen Hwa 2nd Rd., Kuei Shan, Tao Yuan 33383, Taiwan, R.O.C.
TEL: +886-3-3960001 FAX: +886-3-3270208 www.royaltek.com

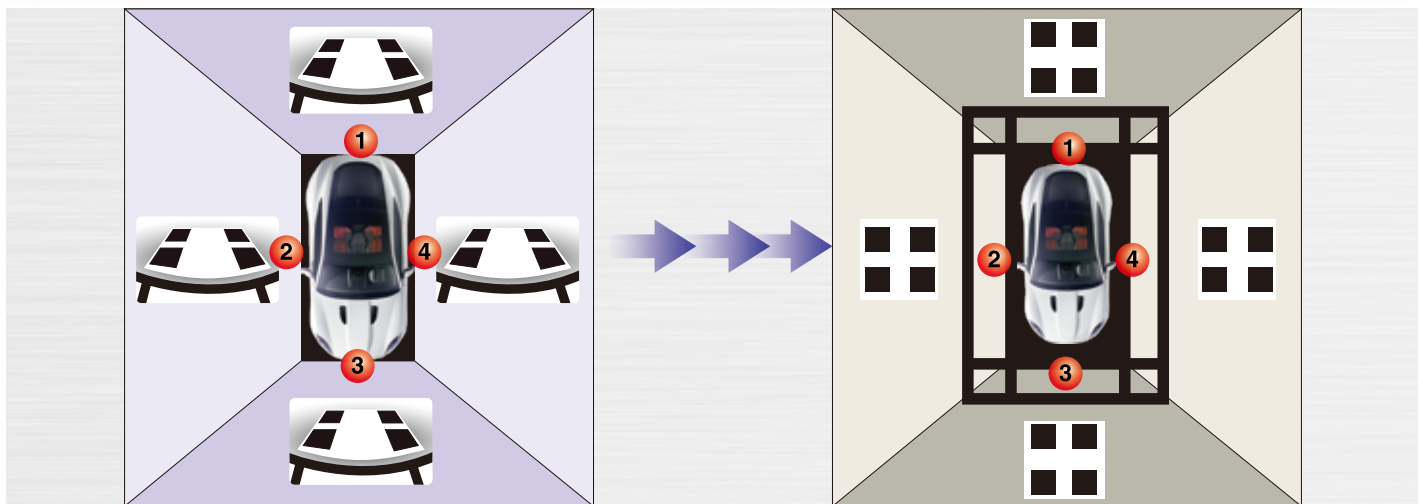
Installation



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"> • Fisheye distortion correction • X, Y, Z axial and view angle flexible adjustment for each camera • Perspective image adjustment • Smart scalar engine embedded • Auto light compensation (brightness, contrast) and color adjustment (hue, saturation) • OSD engine (JPG) • Dynamic and static car motion line • Around View + Side View (Front/Left/Right/Back)