

RC2500 Interior PeriOptic Lens Camera



CLEAR VIEWS OF REAR SEATS

The RC2500 is an interior camera designed to be roof mounted in the rear of the bus facing toward the front. Its PeriOptic 2500 Lens is optimized to provide sharp, bright pictures, day or night, of the rear seats with an 81.2 degree field of view. Its noise-gated microphone provides crystal-clear audio of the rear of the vehicle.

HIGH QUALITY REAR VEHICLE FOOTAGE

AngelTrax's RC2500 high-resolution PeriOptic Lens cameras were designed with school bus systems in mind, providing high quality audio and video of the vehicle's rear seats. Mounted in the back of the bus and facing the front, the RC2500's 81.2 degree field of view and noise-gated microphone ensure complete coverage of the vehicle's last few seats.

DIMENSIONS & WEIGHT

- Lens Size: 2.5 millimeters
- Width: 3 inches
- Height: 2.5 inches
- Depth: 3 inches
- Weight: 260 grams

IMAGE CAPTURE & RESOLUTION

- 480 TV lines of resolution
- Scanning system - PAL: 625 lines; NTSC 525 lines
- Light sensitivity: 0.6Lux f1.2 / 0Lux with infrared

OPERATIONAL SPECIFICATIONS

- Operational temperature: -35°F ~ 160°F (-37.22°C ~ 71.11°C)
- Storage temperature: -20°C ~ +70°C

CAMERA SPECIFICATIONS

- 1/3" Sony CCD image sensor
- 2.5mm PeriOptic Lens
- Internal synchronization
- 0.45 gamma correction
- Electronic iris: 1/60~1/100,000 (NTSC); 1/50~1/100,000 (PAL)
- Automated white balance
- Video Out: 1.0 Vp-p, 750hm

POWER & CURRENT CONSUMPTION

- 50mA @ DC12V current consumption
- 0.6W or less power consumption
- DC12V (± 6V) power supply (input voltage)

CAMERA FEATURES

- High image quality with 1/3" Sony CCD Imager
- Working low-light capability - can work in less than 0.6Lux or 0Lux with infrared
- Wide voltage range - 6V ~ 18V
- Low power consumption (50mA @ DC12V) to extend camera lifespan
- Clear black and white image when infrared is activated
- Automated white balance
- Dynamic built-in microphone with noise-gate filter
- Durable metal lens holder
- Glass lens cover
- Scratch resistant, anti-glare lens
- Built-in AGC
- Waterproof, vandal-proof stamped metal housing
- User-selectable audio function
- Ultra wide lens



CAMERA PLACEMENT

Recommended camera placement and field of view:

