

# FC6000 Interior PeriOptic Lens Camera



## SUPERIOR VIDEO CAPTURE & VIEWING ANGLES

The FC6000 is an interior camera designed to be roof mounted close to the front bulkhead facing the rear of the bus. Its PeriOptic 6000 Lens is optimized to provide sharp, bright pictures, day or night with a 44.8 degree field of view, and its noise-gated microphone is tuned specifically to reduce audio distortions and amplify desired frequencies -- the human voice.

## NOISE-GATED MICROPHONES REDUCE AUDIO DISTORTIONS

AngelTrax's FC6000 high-resolution PeriOptic Lens cameras were designed with school bus systems in mind, featuring a noise-gated microphone specifically calibrated to focus on the human voice, while reducing background noise and other audio distortions. Mounted near the front bulkhead, the FC6000 provides clear audio of both the vehicle's operator and passengers.

### DIMENSIONS & WEIGHT

- Lens Size: 6 millimeters
- Height: 2.5 inches
- Width: 3 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

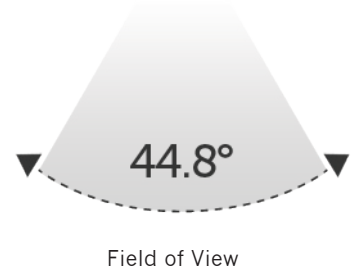
- 1/3" Sony CCD image sensor
- 6mm PeriOptic Lens
- Internal synchronization
- 0.45 gamma correction
- Electronic iris: 1/60~1/100,000 (NTSC); 1/50~1/100,000 (PAL)
- Automated white balance
- Video Out: 1.0 Vp-p, 750hm

### 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
- Glass lens cover
- Scratch resistant, anti-glare lens
- User-selectable audio function
- Automated white balance
- Dynamic built-in microphone with noise-gate filter
- Durable metal lens holder
- Built-in AGC
- Waterproof, vandal-proof stamped metal housing



## CAMERA PLACEMENT

Recommended camera placement and field of view:

