



## S SERIES CAMERA

### Turning Night Into Day with Intelligent Infrared Technology ( i2t™ )

Provides Intelligent Infrared Saturation ( i2s™ ) to dramatically eliminate the white out effects on close objects, and produce clear and recognizable images in total darkness



#### Key Features & Benefits

Intelligent Infrared Technology i2t™

Intelligent Infrared Saturation i2s™

Integrated Microphone

Integrated IR

3D Gimbal

All Metal Housing

Tamper Proof Adjustments

90 Degree Aiming

Flexible Cable Routing and Mounting Options

Lens Shroud Prevents Internal IR Lens Flaring

Integrated Cooling Vents

Vibration Damping

Available in Day/Night, Color or Black and White

Early morning bus routes, winter days and night time field trips operate in total darkness requiring school bus video systems to include night vision capability. Conventional night vision or infrared cameras produce hot spots or white-outs. These hot spots or white-outs are unpredictable and can appear at any time jeopardizing clear video and making positive identification impossible.

To solve this problem Gatekeeper has introduced a new vandal resistant night vision camera that includes a scientifically designed light diffusion system that effectively reduces hot-spots or white-outs. This unique design provides an even pattern light distribution delivering superior night vision performance in total darkness by calculating the distance and dispersion pattern of each infrared illuminator and then matching them to field of view requirements.

#### Owl Like Optics Change How You See In Total Darkness

The result is a dual purpose camera capable of delivering brilliant color video during day time hours combined with integrated sensors that automatically switch cameras to night vision mode in low light. The result is Owl like optics in total darkness.

#### High Back Seats Block Conventional Camera Views

Gatekeeper Systems has designed the industry's first night vision camera that incorporates an intelligent mechanical design giving you the ability to reduce vision blockage caused by high back seats. A unique 3D Gimbal provides correct image orientation in multiple installation configurations. Capable of being aimed 90° laterally, the camera can be installed at an angle on or below the ceiling providing true horizontal view. This new installation configuration provides additional viewing capability on buses that have high back seats.

Rounding out this unique design is an integrated microphone, tamperproof adjustments, flexible cable routing, vibration damping mount and integrated cooling vents. Cameras are available with up to 540 lines of resolution providing you with the highest resolution in the industry.

#### Day Shot



#### Night Shot with Integrated IR



Specifications subject to change without notice. 09/14/10 V1.0005

## Protecting Your Precious Cargo

© Gatekeeper Systems, Inc.



## S SERIES CAMERA



### CAMERA SPECIFICATIONS:

#### S101 - Colour Day Night

CCD Type	1/3" - 270K Pixels Color	Total Number of Pixels	537(H) X 505(V)
Minimum Illumination	0 Lux with IR on	Resolution	330 to 540 TV Lines
Voltage.	DC 12V nominal 8.0 V ~ 18.0V.	Power Consumption.	Max 1.44W
Operating Temperature.	-10°C ~ +55°C.	Operating Humidity.	Under 90% (Non-Condensing).
S/N Ratio	45dB or more (AGC off).		



Gatekeeper Systems, Inc.  
www.gatekeeper-systems.com  
sales@gatekeeper-systems.com  
Toll Free: 1.888.666.4833

#301-31127 Wheel Avenue  
Abbotsford, BC V2T 6H1  
Tel: 1.604.864.6187  
Fax: 1.604.864.8490

**Protecting Your Precious Cargo**

© Gatekeeper Systems, Inc.