



BriteEyes

Dual Sensor Camera System

Features

Dual Sensor Camera System

- High Boresight Stability Between Sensors <math><0.14\%</math> of Field of View
- Sensors Can Be Defined By User

Built in Test and Systems Test

- Test Pattern Injection – Grid and Colour
- Sensor Test 'Flare'
- Change Over Test

Built in Test and Systems Test

- RS232 & RS485 Serial Data
- Sensor Change Over
- Shutter Speed

Sensor Availability

- Colour or Monochrome CCD Camera
- XD4, Gen 2+ or 3rd Gen Intensifier / Camera

Description

To eliminate the inevitable compromise between sensitivity and optimum performance, the Britannia 2000 BriteEyes system uses 2 separate sensors exactly to the customer application.

The sensors are automatically switched by a precision change over mechanism, which maintains Boresight accuracy to a repeatability of <math><0.14\%</math> of the field of view.

Options

Sensors

- Dual sensor camera module
- Dual sensor camera module (intensified version)

Lenses

- 10 – 250mm F1.5
- 15 – 375mm F2.3 ELD Glass
- 30 – 750mm F4.6 ELD Glass
- Others available upon request

Sensitivity (with F1.5 lens)

- Day 0.2 lux, Night 0.008 lux
- Day 0.2 lux, Night 0.00001 lux

Specifications

Camera

Sensor:	User defined. Standard configuration is 1/2" colour CCD & XD4 Gen 2+ intensifier with CCD bonded directly to output faceplate
Resolution:	Colour 470 TV Lines, Intensified 400 TV lines (intensifier 64lp/mm)
System:	PAL or NTSC
Sync:	Internal
Output:	1v P-P
Lens:	User definable. C or CS mount Back focus adjustment built into camera

Physical

Size (L x H x W)	120mm cube
Lens Mount	Adjustable C/CS
Construction	Machined aluminium
Mounting	3 x 1/4W tapped holes in base
Interconnections	Power / Video Out Lens Auto Iris Light Sensor (auto day/night sensor change)