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Find the *EO Imaging 6008 R4* at our website: *Click HERE*



Model 6008 R4

PCI Dual Target Automatic Video Tracker

The Model 6008 R4 PCI Dual Target Automatic Video Tracker incorporates five (5) tracking algorithms to determine the target's spatial coordinates: Mass Centroid, allows both binary and multi-gray level target tracking; Intensity Centroid, provides high accuracy subpixel positioning for stellar and point source targets; Selectable Edge, provides the ability to track a specific edge of the target; Vector†, provides the ability to track the leading edge of a target; and Correlation, provides high accuracy positioning for tracking complex scenes and target features.

The tracker design incorporates a multiple DSP implementation allowing concurrent operation of algorithms in real-time. The system is structured with an open architecture allowing easy incorporation of specialized features and algorithms.

The Model 6008 R4 is a true single board tracker, with all stated features implemented on a full length PCI card, requiring no additional daughter boards or modules.

Standard Features:

- Algorithm Processing (5)
  - Selectable Edge, Mass and Intensity Centroid, Vector† and Correlation†† Modes

- Rear Panel Connectors for All I/O (3)
- Power Connector for Standalone Operation
- Serial and PCI (shared memory) Interface
- User Friendly Software GUI and Software Development Kit (SDK)
- Serial Communication Ports (8), RS232/422 (switch selectable)

- Analog Video Inputs (4), RS170/RS170A/NTSC/PAL/CCIR/RS343, Single-Ended or Differential (switch selectable), 12-bit Resolution
- Analog Video Outputs (3), 2 with Symbology and 1 Without
- Digital Video Input (1), Single Channel Camera Link
- Digital Video Output (1), Single Channel Camera Link with Symbology
- Interlaced and Sequential Video Format Capability
- 1024x1024 Sensor Array Capability

- Analog Inputs (8), 16-bit Resolution
- Analog Azimuth and Elevation Error Outputs, 16-bit Resolution

- Sophisticated Intrusion Detection Algorithms
- Auto Acquisition and Target Detection
- Auto/Manual Gate Position Capability
- Adaptive and Manual Gate Size Capability
- Adaptive and Manual Threshold Functions
- Robust Coast and Target Reacquisition Algorithms
- Advanced PID Servo Compensation Filter
- Embedded Motion Control Interface to MATS or 3rd Party Pedestal Controller
- Interface to 702 Remote Controller
- Zoom Scaling and Correction
- Interface to 901 Camera/Lens Enclosure and 3rd Party Lenses
- User Text Annotation and Graphics

View/Download product data sheet (PDF format)

† Vector track mode is only available with mount position feedback
†† Correlation only available on primary gate

Available Options

- Remote Control Unit
- Non-standard Video Formats
- Custom Packaging
- Custom Symbology and Annotation
- Custom Algorithms
- Zoom Scaling/Correction
- Trajectory Simulation Capability
- Operator Training Capability
- Mount Controller Interface
- Image Stabilization
- Image Processor
  - Target Enhancement/Detection
  - User-definable Filter Characteristics
  - Stored Filters

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