

electro optical imaging system pdf

For EO systems, it is also possible to group individual cameras together and then combine separate images into one. The current state of the art in MWIR focal plane arrays (FPAs) is roughly 4,000 by 4,000 detectors; for LWIR FPAs, it is closer to 2,000 by 2,000.

A Tutorial on Electro-Optical/Infrared (EO/IR) Theory and

Electro-optical imaging system performance measurement. It is a visual acuity test that combines sensitivity and resolution in a manner that reflects human performance through a sensor. Basically, a standard periodic four-bar pattern on a uniform background (Fig. 1) is presented to an observer using the camera under test. The observer adjusts the lowest contrast at which the four bars can be resolved.

(PDF) Electro-optical imaging system performance measurement

Systems Engineering and Analysis of Electro-Optical and Infrared Systems integrates solid fundamental systems engineering principles, methods, and techniques with the technical focus of contemporary electro-optical and infrared optics, imaging, and detection methodologies and systems.

Download [PDF] Electro Optical Imaging System Performance

The following white papers discuss the basic considerations given when selecting and using an electro-optical tracking system. EO_Tracking_System_Considerations_I.pdf " This tutorial paper discusses the performance requirements and design parameters for Electro-Optical Tracking Systems. Descriptions of tracking systems for range instrumentation are discussed.

White Papers - ELECTRO-OPTICAL IMAGING, INC.

Electro-Optical Imaging System Performance Prediction. The

Electro-Optical Imaging System Performance Prediction. The

Electro Optical Imaging. Electro-Optical Imaging, Inc. is a recognized leader in the design, development and manufacture of high performance Automatic Video Trackers and fully integrated Tracking Systems. With an unparalleled cadre of technical experts, E-O Imaging offers their customers specialized products and capabilities,...

Electro Optical Imaging - Military Systems and Technology

Electro-Optical Imaging System Performance (PM187) (Spie Press Monograph) Although emphasis is positioned on infrared strategies, the principles apply to all imaging strategies working inside the seen space of the spectrum. This fifth Model is updated to reflect in all probability probably the most current obtainable supplies,...

Electro-Optical Imaging System Performance (PM187) (Spie

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Electro-Optical Imaging, Inc., a Melbourne, Florida based company, is supplying critical tracking technology to General Dynamics C4 Systems in Scottsdale, Arizona for use in the U.S. Army's Range Radar Replacement Program (RRRP).

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