

Dynamic Infrared Scene Projection



Dynamic Infrared Scene Projection Technology. Scott B. Mobley. U.S. Army Missile Command. Redstone Arsenal, Alabama ABSTRACT. We report on the design and testing of a 2-color dynamic scene projector. Since , Santa Barbara Infrared (SBIR) has been delivering one-color infrared. A Si-based fast (frame rate >1 kHz), large-scale (scene area cm²), broadband (312 μm), dynamic contactless infrared (IR) scene projector is demonstrated. Apr Research is focusing on extending infrared scene projection dynamic range and developing an emerging class of quantum/photonics infrared scene. Infrared scene projectors (IRSP) provide realistic dynamic in-band imagery to the unit-under-test (UUT) within the hardware-in-the-loop (HWIL) environment. Title: Dynamic infrared scene projection: a review. Authors: Williams, Owen M. Affiliation: AA(Weapons Systems Division, Defence Science and Technology. The BAT IR2 is a two-color high temperature IR scene generator that displays dynamic video rate motion pictures in both Mid-Wave Infrared (MWIR) and Dynamic Infrared Panoramic Scene Generation. The US military has a need for simulated infrared (IR) scene projection technology to enable ground testing of a . A novel concept for dynamic IR scene projection using IR diode lasers has been developed. This technology offers significant cost and Dynamic Infrared Scene Projection (DIRSP) technology is a major method to evaluate the performance of infrared imaging measurement and. This paper describes the recent addition, characterization, and integration of emerging technologies for dynamic infrared scene projection at the US Army. Optical Sciences Corporation has developed a new dynamic infrared scene

Keywords: Infrared, Scene Projection, Digital Micromirror Device, Simulation, FPA. Keywords: Infrared, projector, camera, fire-fighter, thermal, imaging, we have embarked on a third approach: use of an infrared scene projector to provide either .. T. Messer, and D. A. Saylor, Dynamic IR scene projector based upon the. OBJECTIVE: Develop new generation high speed dynamic Electro-Optical (EO) Infrared Scene Projector (IRSP) for Hardware in the Loop (HITL) testing of optical . Infrared dynamic target simulator can simulate infrared scene practicality in the laboratory, and reduce the research cost of the optical electrical system and offer .

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