



Infrared Materials

The Leader in High Performance IR Detectors

FLADE -R1

FLASH DETECTION SYSTEM



CAPTURE IR EVENTS IN THE 1 - 3 AND 1 - 5 MICRON BANDS

EFFECTIVE TO 400+ METERS

WWW.INFRARED MATERIALS.COM

707-620-0160



FLADE-R1 | INFRARED FLASH DETECTION SYSTEM

Key Features:

- USB Powered, Dual-Sensor Flash Detector
- Angled IR Sensors Provide Angle to Flash (Within a Single Plane)
- Field of View (FOV) Approximately 140 Degrees
- AC coupled, Matched Filter Processing to Detect Flash Events in the 1 to Several Millisecond Range
- Software Control of Sensor Gain | Software Control of Trigger Set Point
- Software Provides Amplitude and Angle Output as Well as a Time Record of the Flash Event
- Small 3.6" x 1.4" Form Factor (91.44 mm x 35.56 mm)
- Detector Preamp Boards Contain Sockets for Quick Removal and Replacement of IR Detectors
- Windows Drivers and Software Compatibility: XP and Later Versions



Applications:

- Muzzle flash detection
- Active Protection Systems

Power Requirements:

- 5.0 Volts, USB Power Only

Evaluation Kit Includes:

- FLADE R1 Logic Board
- USB Cable
- Two (2) Non-Cooled PbS or PbSe IR Detectors
- Flash Detection Software, User's Manual, SDK Library

