

FLARE INTRODUCING FLARE LANTERN A New Class in Automated Mobile Calibration Systems

Mobile | Configurable | Modular

- Mobile unit for easy deployment
- Calibration from rooftops, fields, parking lots, etc.
- Plug & Play hardware enables multiple stations
- Configurable for UAV, Airborne, or Satellite GSDs



LANTERN Turn-Key Modular Automated Node Deployment



Single or Multi-Point Constellation

- Each point can be configured for different signal capabilities to test specific imager resolutions and/or signal levels
- Mirror sizes within the same unit can be configured for the same GSD or different GSDs
- Multiple points create a "data rich" target field for Spatial (PSF) and Radiometric (Empirical Line) imager response evaluation
- LANTERN points can be configured with an embedded radiometer instrument or optional independent tower



Stowed LANTERN is fully protected and weatherproof

Deploy Where Needed | Customizable Test Configurations

Compare LANTERN and BEACON Class

FLARE LANTERN Class Mirror Turret

- Serves GSDs up to 20 m
- Targeted dynamic range of signal
- Mobile architecture
- 8+ levels of automated signal selection

FLARE BEACON Class Mirror Turret

- Serves GSDs up to 60 m
- High dynamic range of signals
- Fixed location
- 40+ levels of automated signal selection



Common Features of Both Classes

Mirror Selections

- · Optical system protected when not in use
- · Mirrors are removable and modular
- · Large and small mirrors co-installation capability

System Radiometer Options

- Embedded radiometer
- FLARE Radiometer Tower
- No radiometer

Optional Components

- Stand-alone
 FLARE
 Radiometry
 Tower
- Solar power for remote operation





- Hardware placed in the field seamlessly connects to the FLARE Network through embedded cellular gateway
- User access enabled by web portal or software API

Better Calibration | Better Data | Better Decisions

www.flare-network.com flare@labsphere.com

^{© 2022} Labsphere, Inc. All Rights Reserved Rev 01