

Features

- Flashing 3–14 micron thermal signature
- Selectable maximum detection range and power-saving modes
- Detection range of 20 miles or more with multiple arrays using state-of-the-art thermal imaging equipment
- Multiple arrays easily connected and deployed with synchronized flashes
- Visible and NVG/NVD safe flash indicators
- Built-in rechargeable battery pack
- Up to 4 hours on a charge¹
- Recharging and extended operating time with an external power source such as the SBP-1100e Smart Battery Power System

Specifications²

Detection Range: 0.5–20+ miles depending on thermal sensor system capabilities and the number of arrays

Power Settings: Maximum range mode and power-saving mode

Packaging: Two panel array with built-in rechargeable battery pack

Weight: Less than 6 lbs. (Not including external accessories)

Unfolded Size: 14 x 35 x 0.4 inches (3 inches thick at the battery pack)

Folded Size: 4 FPIDAs fit in less than 1 cubic foot volume

Output Spectrum: 3–14 microns (mid-wave and long-wave infrared)

Synchronization: Multiple arrays can be quickly and easily connected in the field (flashes will automatically synchronize to first unit in the string). Allows larger array configurations for longer detection and recognition ranges.

¹ Power save mode

² Specifications subject to change without notice



The FPIDA Flashing Portable Identification Array is a flashing thermal infrared identification marker array for day, night, and low visibility operations including targeting, FAARPs, landing zones, personnel recovery, combat ID/thermal IFF, deconfliction, area beacons, and medical evacuations/extractions.

The FPIDA provides a flashing 3–14 micron thermal signature to assist in locating and identifying “friendly” assets. Marked vehicles, landing zones, troop formations and locations can be identified as friendly when viewed or targeted through both 3–5 and 8–12 micron infrared sensors and imaging platforms. Multiple Flashing Portable Identification Arrays can be easily attached to virtually any surface including buildings, vehicles, surface and air platforms.

The Flashing Portable Identification Array is a high-visibility, flashing thermal emitter array that provides a lightweight multi-spectral marking capability. The array generates a distinctive flashing thermal (infrared) signature that is visible to mid or long-wave thermal imagers. The flashing signature is not detectable by visible light or near IR imagers (NVG, CCD TV cameras, light intensifiers). The FPIDA is capable of operating in single or multiple array modes depending upon the mission requirements.

The FPIDA stores folded in a compact bundle and is quickly and easily deployed. The FPIDA system incorporates innovative flashing thermal infrared emitter technology that optimizes emission efficiency for maximum battery life. Flashing thermal signatures are distinctive and much easier to detect at longer ranges than constant-on thermal sources, especially in a cluttered thermal environment. The built-in batteries can be recharged, or the operation time can be extended by connecting an external battery or the included power supplies. Up to four arrays can be connected with short cables to act as one large array with single point charging.

Important: Flash patterns can be varied to optimize performance for a given operational scenario. Please contact Falcon for recommendations and programming to best suit your requirements.

FPIDA Flashing Portable ID Array

Standard Kit

Two panel emitter array with integrated rechargeable battery pack

Set of poles to prop up array

Expansion cable to add another array

Charging power supply and cabling (AC input)

Charging power supply and cabling (12 – 15 volts DC input)

Cautions

- The emitter surface needs to be protected from punctures or scrapes
- Make sure the operate switch is off before storage
- Batteries should be recharged every 45 days for maximum battery life and performance
- The emitters should be folded toward each other for storage

Contact Information

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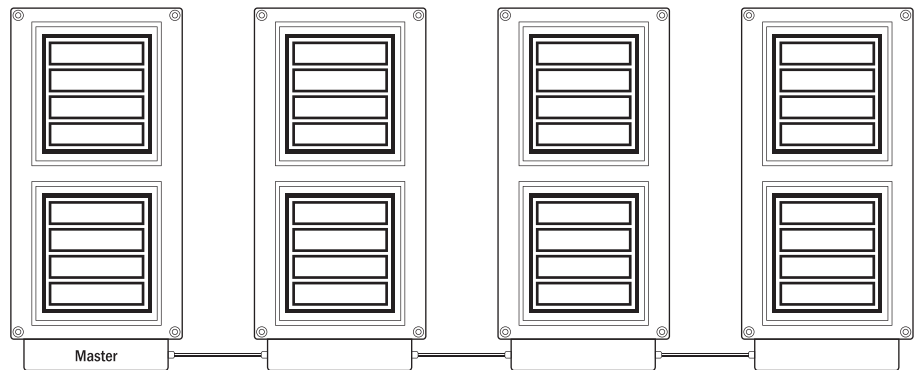
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Synchronization

When connected together, the left-most FPIDA becomes the master. The master determines the flash pattern of all the FPIDAs connected to the unit's "SYNC" output. The "OPERATE" switch for all FPIDAs in the chain must be in the "ON" position.

Configuration Example: 4 Units In Series (master determines flash pattern)



FPIDA Folded for Storage or Transport



TDS-FPIDA1110R9-0