



## **BRITECLOUD** **EXPENDABLE ACTIVE DECOY**

Airborne platforms increasingly face highly developed airborne and surface-based RF threats. Mobile SAMs with highly accurate RF tracking systems present a formidable threat and many older systems have been retro-fitted with modern electronics that have greatly enhanced their capabilities. Modern systems are particularly difficult to counter and have an array of Electronic Protection Measures (EPM) at their disposal. In order to operate and survive in contested airspace, airborne platforms require the most advanced RF countermeasures.

BriteCloud is a self-contained Digital RF Memory (DRFM) jammer for fast jet aircraft. The Expendable Active Decoy (EAD) provides an off-board capability to decoy RF-guided missiles and fire control radars.

Dispensed from a standard flare cartridge, and powered by batteries, BriteCloud draws threats away from the host platform, generating large miss distances. BriteCloud is designed to be launched and become operational extremely quickly, making it highly effective in the end-game of an engagement; it can also be used with great effect to deny and disrupt radar target track.

BriteCloud avoids the inherent 'home-on-jam' vulnerabilities of on-board devices. The self-contained nature of BriteCloud also allows it to put significant distance between itself and the platform after launch. This minimises any risk of incoming missiles detonating in close proximity to the platform. BriteCloud has significant cost benefits with each unit significantly cheaper than equivalent TRD technology.

Additional savings will also be made because BriteCloud does not require installation work, certification or flight trials to integrate the decoy into the platform. The decoys require little operator training and can even be set up to be launched automatically by a platform's defensive aid suite. Stored and handled in the same way as flares, the decoys also have a shelf-life of at least five years, reducing maintenance costs.

As it is programmable, BriteCloud will remain relevant as threats evolve and new threats appear. Selex ES's Electronic Warfare Operational Support (EWOS) for BriteCloud will allow customers to program the decoys so that they are optimised to identify and respond to the emitters and threats that are likely to be encountered during a particular mission, and in a particular region.



Principal Features	Benefits
Self-contained battery powered Expendable Active RF Decoy	Significantly lower procurement cost than equivalent TRD technology
Digital RF Memory (DRFM) jammer continuously adapts to changes in threat 'mode' and changes in threat type during flight	Customer programmable with EWOS support available if required
Deployed from a standard chaff or flare dispenser	Zero integration costs, uses existing launchers Zero sustainment or maintenance costs
Rapid response from launch	Provides ability for either pre-emptive or reactive threat counters
Fire and forget	Generates large miss distances against modern RF threats
Re-programmable to enable optimisation for emerging threats	Flexible future-proof upgrade Immediately enhances platform survivability

### TECHNICAL SPECIFICATIONS

Frequency Band	H-J
Shelf Life	5 years minimum
Size	55mm format available now. 218 format available in 2016
Weight	1.1kg when loaded in flare tube



### MULTIPLE DISPENSING OPTIONS

Uses existing dispensers



55mm available now



218 available 2016



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