

Thermal Beacon Ltd
Secure Optical Signaling



Optical IFF Thermal

- *Optical IFF (identification friend or foe)*
- *Covertly marks blue force personnel*
- *Invisible to GEN I+II+III image intensifiers*
- *Available at 3 - 12 μm*
- *Directional, omnidirectional, and half sphere*
- *Applicable for defense, military, maritime, navy, firefighter, first responders, and more.*
- *Patented*
- *MILSTD 810G*





		Mark IV	Mark V	MS OMR II		MS OMR IIC		MS OMR III		MS DMR		DMR-MK II	
Wave Length		3 - 12 μm	3 - 12 μm	3 - 12 μm	3 - 5 μm	3 - 12 μm	3 - 5 μm	3 - 12 μm	3 - 5 μm	3 - 12 μm	3 - 5 μm	3 - 12 μm	3 - 5 μm
8 - 12 μm MCT camera at narrow field		4 km	2 km	250 m	N/A	250 m	N/A	250 m	N/A	250 m	N/A	250 m	N/A
3 - 5 μm	Camera with InSb detector and 250 mm lens	8 - 9 km	3 - 5 km	3 km	3 km	3 km	3 km	3 km	3 km	3 km	3 km	3 km	3 km
	Airborne Optics (Litening)	20 km	20 km	15 km	15 km	15 km	15 km	15 km	15 km	15 km	15 km	15 km	15 km
Using any IR light intensifier		10 km	10 km	10 km		10 km		10 km		10 km		----	
Radiation divergence		Omni Directional	Omni Directional	Half - sphere		Half - sphere		Half - sphere		40 degrees		40 degrees	

Technical Specification

Operational voltage	12/24 VDC 7/4A		8 CR 123 batteries		4 CR 123 batteries		4 CR 123 batteries		12/24 DCV external		4 CR 123 batteries		12 DCV external	
Operational time	Power source		2 hours		2 hours		2 hours		Power source		2 hours		Power source	
Repetition rate	1.5 Hz		1.5 Hz		1.0 Hz		0.5 - 2.5 Hz 5 predetermined frequencies		1.0 Hz		1.0 Hz		1.0 Hz	
Dimensions	Beacon	Control box	Beacon	Beacon	Control box	Beacon	Control box	Beacon	Control box	Beacon	Control box	Beacon		
Height	312 mm	70 mm	246 mm	20 mm	140 mm	33 mm	25 mm	33 mm	25 mm	18 mm	140 mm	30 mm		
Length		150 mm					111 mm		111 mm	25 mm				
Width	Ø 155 mm	111 mm	Ø 80 mm	Ø 54 mm	Ø 25 mm	Ø 48 mm	69 mm	Ø 48 mm	69 mm	18 mm	Ø 22 mm	Ø 21 mm		
Weight (without batteries)	5.3 kg	1.1 kg	1.8 kg	182 gr	145 gr	70 gr	255 gr	95 gr	800 gr	63 gr	145 gr	50 gr		