

# STORMCASTER™-DX

Multi-role laser target designator

#### **APPLICATIONS**

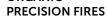
MANNED/UNMANNED AIR STRIKES

NED AIR-LAUNCHED EFFECTS

PRECISION MORTARS

ORGANIC

**NAVAL GUNFIRE** 







The Teledyne FLIR StormCaster-DX is a multi-role, low-SWaP laser target designator payload designed to affect the STANAG-compliant terminal guidance of laser guided munitions. StormCaster-DX is tightly integrated with the R80D SkyRaider UAS to leverage its class-leading payload capacity, multi-mode operations (tethered/untethered & mounted/dismounted), and Al-CV-based targeting capabilities.

SC-DX marks another entry of industry-leading detection and classification for StormCaster payloads, achieving dependable stability and IR acuity in adverse conditions. User-defined target tracking captures accurate coordinates, heading, and speed of moving humans and vehicles, enabling clandestine target monitoring and marking from a group 1 UAS.

The modularity of the StormCaster payload family facilitates interoperability and rapid interchange of payloads across R80D SkyRaider platforms while leveraging continuously evolving aircraft performance, intelligence and a set of available accessories.

# **FEATURES**

#### **GROUP 1 LASER MARKER/DESIGNATOR**

Low SWaP enables coded laser target designation from a rucksack-portable VTOL UAS.

#### NON-COOPERATIVE LASER SPOT TRACKING

Detect, decode, and geolocate the source or termination of off-board lasers.

#### HIGHLY ACCURATE COORDINATE GENERATION

Gimbal stability, laser range finder, and ATAK integration enable precise tracking, placement, and coordinate accuracy.



### **SPECIFICATIONS**

Thermal Imagers	
Wide Angle LWIR	
Sensor	FLIR Boson 640, 12µ, 60Hz
Resolution	640 x 512
Fields of Vew	24°
Narrow Angle LWIR	
Sensor	FLIR Boson 640, 12µ, 60Hz
Resolution	640 x 512
Fields of Vew	5.8°
Gimbal	
Line-of-Sight Stabilization	<0.3mrad
Stabilization	3 axis (pitch, roll, and yaw)
Vibration Isolation	6 axis passive on the aircraft
Controllable Ranges of Motion	
Pitch	+20° above horizon /-100° below horizon
Yaw	+/- 40°
Slew Rate	60 deg/s
Dimensions & Weight	
Dimensions	174 mm (W) x 174 mm (L) x 194 mm (H)
Weight	1.25Kg
Environmental	
Operating temperature	-20°C to 50°C
Additional System Features	

## Additional System Features

Dual FOV LWIR; Picture in Picture ±20m Geo-Locating User Defined Object Tracking Moving Target Indication Digital Image Stabilization Classification: ITAR

# **AMERICAS**

7055 Troy Hill Dr. Suite 300 Elkridge, MD 21075 USA

#### DISCLAIMERS:

Protected by one or more patents and patent applications. Learn more here: www.flir.com/patentnotice

Names and marks appearing on the products herein are either registered trademarks or trademarks of FLIR Systems, Inc. and/ or its subsidiaries. All other trademarks, trade names, or company

This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited. For assistance with confirming the Jurisdiction & Classification of Teledyne FLIR, LLC products, please contact exportquestions@flir.com.@2022 Teledyne FLIR LLC. All rights reserved.

Revised on 04/07/22 StormCaster-DX\_Datasheet-LTR 20-0902