TELEDYNE FLIR

APPLICATIONS

LONG RANGE SNIPER

RECONNAISSANCE

FORCE PROTECTION

MILITARY POLICE SECURITY

SURVEILLANCE

FORWARD OBSERVATION

THERMOSIGHT® HISS-XLR

Long-Range Cooled Thermal Sniper Sight

The ThermoSight® HISS-XLR clip-on thermal weapon sight allows snipers to detect and recognize man-size targets in excess of 2,000 meters, an increase in engagement range of more than 25% compared to previous models. Designed to mount on any MIL-STD-1913 rail interface forward of an existing scope, HISS-XLR can interface with a wide range of day scopes and weapon platforms. Long-range optics coupled with an HD display provides crisp imagery, and portrait orientation compensates for bullet drop at extreme ranges.

Highly portable, HISS-XLR interfaces to standard ballistic computing devices and laser rangefinders designed for sniper applications. Ability to adjust with optional remote control pendant increases warfighter's shooting stability, minimizes unnecessary movement that can potentially reveal location, and allows HISS-XLR to be set up for remote observation applications. Its distinctive combination of stand-off range and long-range target engagement provides snipers with unprecedented overmatch capability in all operational scenarios.

FEATURES

BEST-IN-CLASS IMAGING

High-resolution 640x480 mid-wave IR and long-range optics paired with a high-definition display provides critical image details.

POWERFUL TACTICAL CAPABILITIES

Selectable ballistic/clip-on modes, instant targeting integrated with LRF and ballistics computer, and video out for remote, secure viewing provides flexibility.

FIELD-PROVEN DURABILITY

Rugged and field-tested on up to and including .50 caliber weapons delivers a thermal sight that snipers can count on.

LONG-RANGE ENGAGEMENTS

Detect, classify, and engage targets up to 2 km out, extending sniper mission profile.

AFTER-ACTION REVIEW CAPABILITY

Record real-time imagery in H.264 digital format on a removable SD card.

SPECIFICATIONS

THERMAL IMAGING PERFORMANCE

Sensor type	640 x 480 InSb
Field of view	2.29° h x 1.72° v
Spectral band	MWIR
Focal length	240 mm
Video Output	RS-170A compatible (PAL Option)

POWER

Power requirements	<6 W
Battery Pak	2 "Smart Paks", supports hot swap
Battery type	4 ea. CR-123 per "Smart Pak"
Run time	>4 hours, 8 hours with hot swap
Remote power	Dedicated remote power input, 9-24VDC

ENVIRONMENTAL

Operating temp	-32°C to 49°C (-26°F to 120°F)
Storage temp	-40°C to 71°C (-40°F to 160°F)
Waterproof	Immersible to 3ft for 2 hours

STANDARD FEATURES

Eyepiece Display	High Definition with unity magnification
Sight control	Auto focus, Auto gain, Auto level, Display brightness, Continuous digital zoom, to 4x, DDE, Histogram Equalization, Clip-on and Ballistic display modes, Reticle adjust
Weapon mounting	MIL-1913 mount, fits Picatinny rail

OPTIONAL FEATURES

Digital video recording	Integrated DVR captures images and video in h.264 format Removable 32Gb SD Card included
Remote control	Control HISS remotely with cabled pendant
Video output	Real time video output via pendant cable BNC connector

STANDARD ACCESSORIES

Battery "Smart Paks"	2 ea. "Smart paks" included
Soft Case	Padded soft case for field transport
Lens cleaning kit	Soft lens brush and lens wipes in pouch
Operators Manual	Describes sight operation and maintenance
Quick Reference Guide	Laminated pocket size reference card

OPTIONAL ACCESSORIES

Remote control pendant	Pendant with cable to remotely control HISS. Cable has BNC connector for video cable connectivity.
Video cable	Cable for video output to monitor from HISS-XLR
B/A 5590 battery cable	Cable with connectors for externally powering HISS from B/A 5590 battery
15 VDC power supply	Power HISS from 110/ 220 VAC with cabled power supply
Hard case	Hard sided shipping case for storage or shipping of HISS
Battery "Smart Pak"	Spare battery Pak

DIMENSIONS

Weight	~4lbs. (1.89kg) complete with batteries
Size	11.5"L x 4.3"W x 3"T (29.2 x 11 x 7.6cm)

AMERICAS

27700 SW Parkway Ave
Wilsonville, OR 97070

EUROPE

2 Kings Hill Avenue - Kings Hill
West Malling, Kent ME19 4AQ
United Kingdom

Antennv gen 6,
PO Box 737
SE-187 66 Täby
Sweden

MIDDLE EAST

Wadi Al Fey St.
Building 60, Office # 302
New Ministries Exit /
Khalifa Park Area
Abu Dhabi, U.A.E.

Office 127, First Floor
Akaria Plaza Building, Olaya Street
Riyadh, 11481, Saudi Arabia

ASIA

Meguro Tokyu Bldg. 5F,
2-13-17
Kami-Osaki, Shinagawa-ku.
Tokyo, 141-0021, Japan

Teledyne FLIR
Defense Technologies

For more information contact:
surveillance_sales@teledyneflir.com

www.teledyneflir.com