

REAP-IR™

MINI THERMAL SIGHT



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REAP-IR Advantages

- 12° FOV 2.5x Magnification
- Stadiametric Range Finder
- Digital Position Read-Outs
- Multiple Reticle Save Locations
- 5 Reticle Patterns
- Smallest Package

Standard Features

- Thumb Stick Control
- D-LOC Mount
- 60hz Super Fast Image
- Mil. Spec Construction
- Clip-On Capability
- Polarity and Zoom Modes
- 640x480 Thermal Sensor
- 12 MICRON Technology
- 100% Made in USA
- 3 Year Warranty

The REAP-IR is the one worth waiting for with all the features and performance of the IR HUNTER Mark III and the size and weight factor of the IR PATROL. The REAP-IR truly is the best of both systems incorporating a 12° degree field-of-view lens with the new stadiametric range finder. Having 2.5x magnification combined with the 640x480 resolution 12um micron LWIR thermal core in the small tactical package makes the REAP-IR ideal for Special Operations, Tactical Teams and border security. We also have 60hz fast frame rate in every REAP-IR system at no addition cost to you. The fast frame rate will be very useful for leading a shot of a fast moving target.

The REAP-IR integrates several new features such as multiple reticle save locations so you can mount the sight on different weapons and keep your reticle position. It has the new digital read-out on the reticle adjustment screen giving you information on exactly how many clicks you have adjusted the system. With up to 5 different reticle patterns you can find the best fit for your application. And to finish off the REAP-IR we have added a flip-up lens cap, Mini D-LOC Rail Mount and a battery extender to every mini thermal sight



IR DEFENSE
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EXPORT WARNING

Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State, Directorate of Defense Trade Controls as proscribed in the International Traffic in Arms Regulations (ITAR), Title 22 Code of Federal Regulation, Parts 120-130



Size Comparison of REAP-IR and IR HUNTER MKIII 35mm

SPECIFICATIONS

Sensor Type
Uncooled VOx (Vanadium Oxide)

Thermal Sensitivity
<50mk

Sensor Resolution
640 x 480

Sensor Pitch
12um Micron

Frame Rate
60hz with a 30hz Power Save Mode

Spectral Responce
8 - 12 um

Display Type
OLED

Display Resolution
640x480 Pixels

Basic Features
E-Zoom, Polarity

Advanced Features
DCE - Digital Contrast Enhancement
DFC - Digital Focus Control
RANGE FINDER - Stadiametric

Start Up Time
>5 Seconds

Video Output
Analog RS-170 (with Optional Cable)

Battery Type
1 each CR123 3 volt
2 each with extender adapter

Battery Life
1 - 1.5 Hours @ 60hz
1 - 2 Hours @ 30hz
2 - 3.5 Hours @ 60hz
2 - 5 Hours @ 30hz

Weapon Mount
Mini D-LOC Picatinny Rail Mount

Reticle
Simple and Complex Reticles
MOA Adjustments
Digital Read-Outs
4 Save Locations

Weight
590 grams

Dimensions
6.5" L x 3.0" H x 2.95" W

Diopter
-6 / +4

Eye Relief
27 mm

Environmental
-40c to +55c Operating
-45c to +75c Storage



**IR DEFENSE
CORPORATION**

Thermal Systems

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REAP-IR™

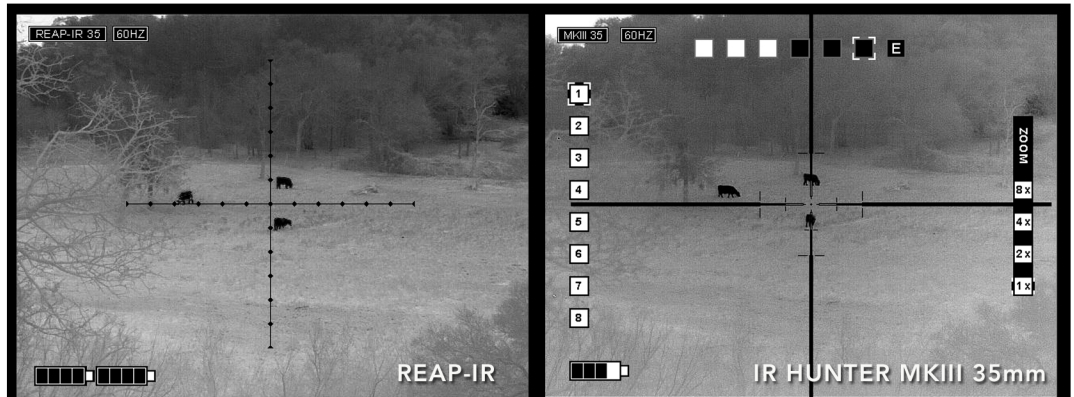
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The REAP-IR in Clip-On mode with 1-4x scope.

REAP-IR Models

Model	Sensor	Optical Mag	Digital Mag	Lens	Base FOV
RIP-640-35	640x480	2.5x	20x	35mm f/1.14	12°



ADVANTAGE REAP-IR

To make the REAP-IR high performance and light weight a new GASIR lens has been used to optimize the system. As you can see in the images above the REAP-IR benefits from a 17% advantage in lens transmission which enables the sensor to gather more details and information for a better image quality.

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