



PRODUCT CATALOG

Prevent accidental engagements,
locate a suspect, or train with
advanced weapon sights

MILITARY

LAW ENFORCEMENT

SPORTSMEN



Why IR Tools?

Why do we exist and what is our motivation?

IR.Tools produces advanced infrared patches, markers and targets for the Military, Law Enforcement and Sportsmen. Each product begins with one or more IR reflective, thermal or photo-luminescent films for protection, identification or specified training. The films are detected and identified by infrared cameras, thermal imagers, advanced optics or the naked eye. What started in 2006 as primarily delivering infrared friend or foe protection to the military has grown into a complete line of IR markers for law enforcement vehicles, and a suite of passive and powered training targets for advanced optics.

Our Core Values

Honoring God

Blessing People

Producing
Premium Products

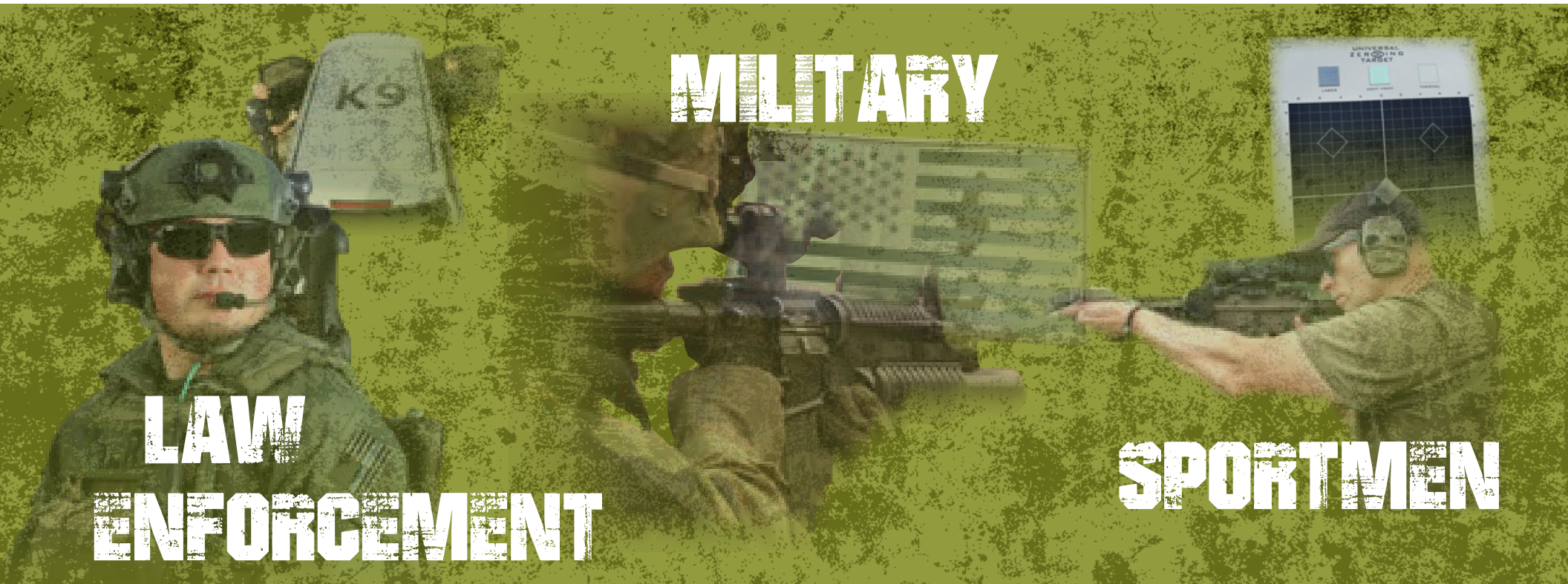


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IR.TOOLS™
IDENTIFICATION TECHNOLOGY
MADE IN AMERICA | VETERAN OWNED

443-292-8885 | info@ir.tools
www.IR.tools

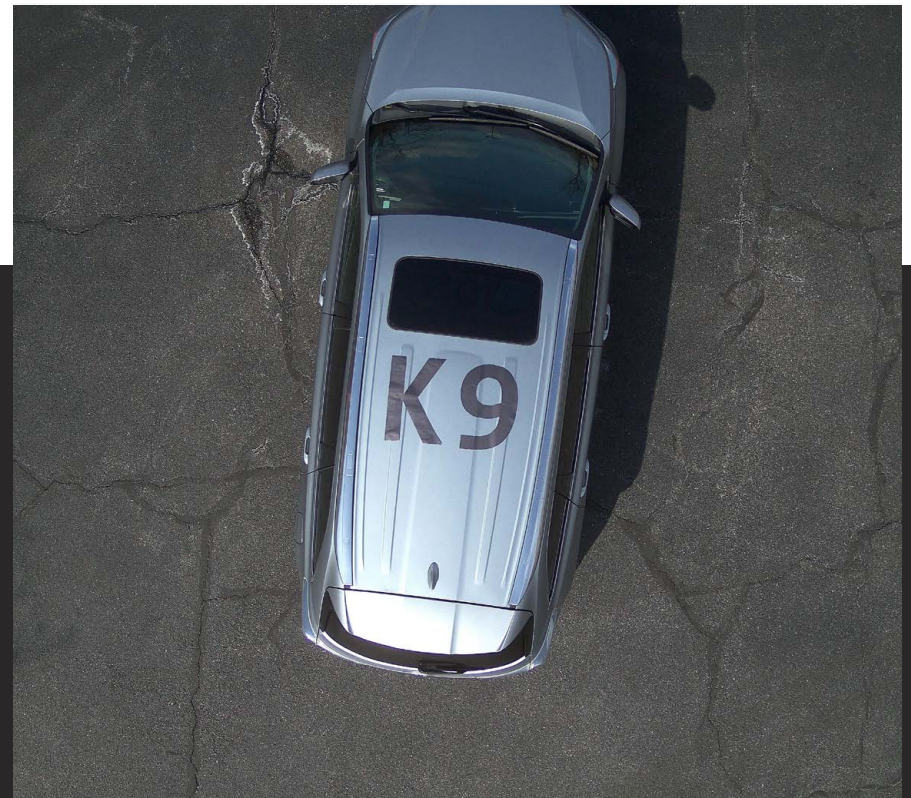
Product Categories

Personal Identification



IFF Patches to protect from life altering injuries and other accidental engagements.

Vehicle Identification



Thermal markers on vehicles locate help on the ground and sharpen air to ground communication.

Training Targets



Powered, Passive and Zeroing targets for precision training with all your advanced weapon sights.

Control Points



Strategically placed thermal markers are excellent for aerial mapping, surveying, and various security issues.

YOUR IDENTIFICATION PROTECTION BEGINS WITH IR REFLECTIVE, THERMAL AND PHOTOLUMINESCENT FILMS



Field IR Reflective

Most Popular Use

IFF Patch

Other Uses

Vehicle ID, Targets

Equipment to View

NVD, Lidar Technology

Type of Operation

Covert

Color

Black



Garrison IR Reflective

Most Popular Use

IFF Patch, Safety Patch

Other Uses

Vehicle ID, Targets

Equipment to View

Naked Eye, NVD, Lidar Technology

Type of Operation

Non-covert

Color

Silver



Thermal

Most Popular Use

Targets

Other Uses

Vehicle ID, Personal ID, Control Points

Equipment to View

Thermal Imagers

Type of Operation

Covert, Non-covert

Color

Tan, Green, Black

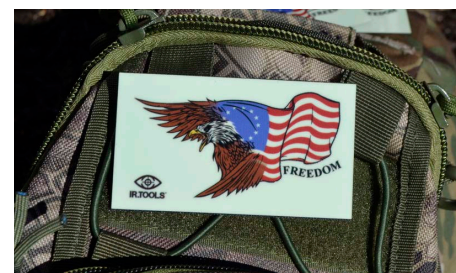


Photo-luminescent

Most Popular Use

IFF Patch, Safety Patch

Other Uses

Vehicle ID, Targets

Equipment to View

Naked Eye, NVD

Type of Operation

Non-covert

Color

Creamy Yellow

Why our IFF patches are Superior!



[Learn More](#)



New and Improved Thermal Films

IR.Tools offers 4 Thermal film options. Each film enhances operations that deploy a thermal device. From our 1st generation High Contrast to our newest Clear thermal film you will find the perfect partner for your thermal device.

- ✓ Compare the differences.
- ✓ Choose from several sample kits.
- ✓ Contact us anytime for guidance.

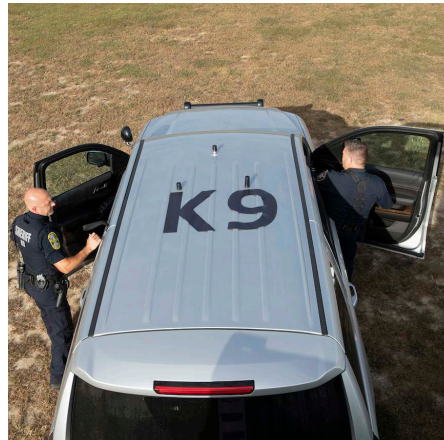
High Contrast

Dependable high contrast first-generation thermal film.



Extreme

Outstanding durability for extreme outdoor conditions.



Upright

No more angles! Mount in vertical position and shoot.



Clear

Transparent, covert for undercover or surveillance.



Breaking Down Your Thermal Film

Thermal Films

Compare and Choose the right thermal film for your operations!



FILM	BUILT FOR	USED BY	USED FOR	CONTRAST	DURABILITY	COLORS	BACKING
HIGH CONTRAST	Highest contrast available	Military, Law Enforcement, Sportsmen	Shooting targets, Vehicle Markers, TIP panels, ID Patches, Drone Training	Outstanding	Good	Tan, Green, Brown	Peel and Stick, Magnet, or Loop
EXTREME	Extreme outdoor conditions	Law Enforcement Agencies	Vehicle ID, ID Patches, Ground Control Points	Very Good	Outstanding	Black	Peel and Stick, Magnet, or Loop
UPRIGHT	View contrast in vertical position	Military, Law Enforcement, Sportsmen	Shooting Targets	Very Good	Very Good	Grey	Peel and Stick or Nonadhesive
CLEAR	Short Term, Covert	Law Enforcement Agencies	Covert Operations	Outstanding	Good	Clear	Peel and Stick

New!! Test and Evaluation Kits



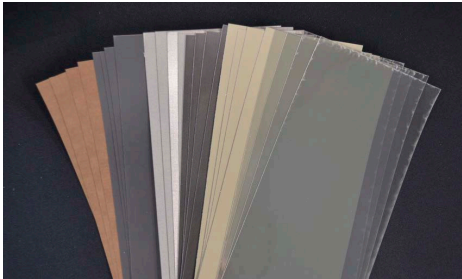
Experience what works for you!

With a minimal investment, you can test and evaluate what infrared markers or patches work best for your operation. IR.Tools works closely with you to choose your kit and to assure a successful evaluation process.

Before making your purchase get a discount coupon from Tom!

Schedule 15 minute with Tom

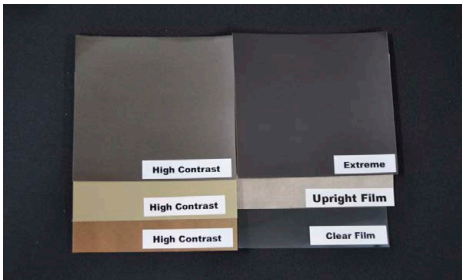
Test and Evaluation Kits for Personal Identification



20 Piece Thermal Film Sample Kit, 4" x 10"

This thermal variety kit offers High Contrast, Extreme, Upright and Clear film options. Compare which film best supports your operation. Do not cut pieces smaller than 4" x 4".

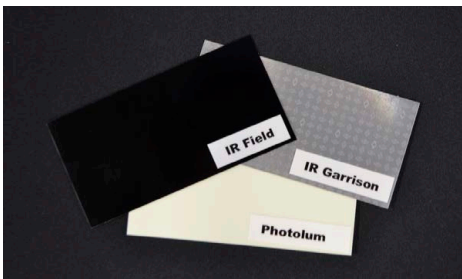
[Buy Now](#)



6 Piece Thermal Film Sample Kit, 4" x 4"

Small 4" x 4" thermal film pieces offer you a chance to view the film with your equipment and in some cases test in an operation.

[Buy Now](#)



3 IR Patch Kit, 3.5" x 2"

Always in high demand! Two SandStorm Technology™ IR reflective patches and 1 Photoluminescent piece. Primarily used for IFF.

[Buy Now](#)



4 IR Patch Kit

Covert and non-covert hook backed IFF Patches ready to adhere to your uniforms or gear.

[Buy Now](#)

Be aware device resolution and distance affect results.

Test and Evaluation Kits

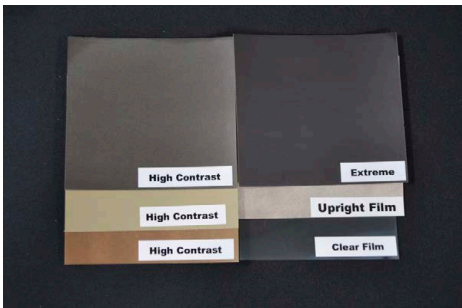
Thermal Only



20 Piece Thermal Film Sample Kit, 4" x 10"

This thermal variety kit offers a wide range of thermal options. Cut up the pieces or use them as is. Choose between high contrast, extreme, upright, and clear films. Compare which film best supports your operation.

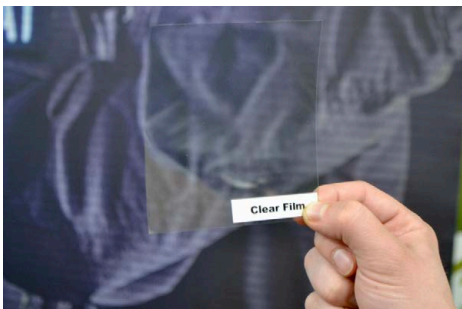
[Buy Now](#)



6 Piece Thermal Film Sample Kit, 4" x 4"

Small 4" x 4" thermal film pieces offer you a chance to view the film with your equipment and in some cases test in an operation. Not recommend for test with great distance between device and film.

[Buy Now](#)



1 Piece Clear Thermal, 4" x 4"

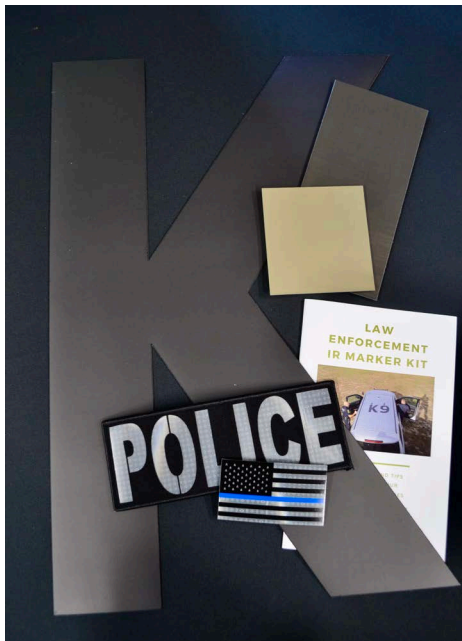
Check out the transparency of this thermal clear film! Great to test compatibility with your covert vehicles and equipment.

[Buy Now](#)

Be aware device resolution and distance affect results.

Test and Evaluation Kits for Law Enforcement

Two convenient kits built with infrared film to test and evaluate how IR markers support your aerial operations. Your kit comes with instructions and full support from IR.Tools during your testing period.



#1 LE Kit for Night Vision and Thermal Devices

Kit includes Thermal markers and IR Reflective patches for detection by thermal and night vision devices. The IR patches are also visible to the naked eye in the dark under white light.

[Buy Now](#)



#2 LE Kit for Thermal Devices Only

Kit includes an Extreme thermal K marker and several High Contrast thermal patches.

FOR THERMAL DEVICES ONLY!

[Buy Now](#)

[Click image to learn more!](#)

Be aware device resolution and distance affect results.



Personal Identification

Field IR Patches

The most popular covert patch worn for protection against a friend or foe casualty. Built with exclusive **SandStorm Technology™** for 250% more glow and extended durability.

Detection

NVD, Night Vision Goggles (NVG),
White Phosphorus NVG, Lidar Technology

Other terms used

IR, Glow Tape, Glint Tape, Retro-Reflective,
Near Infrared, NIR, Subdued IR

IR Film

IR Reflective

Styles

Printed or Laser cut

Designs

Nation Flags, Call Signs, Morale Logos,
Custom Designs

Sizes

3.5" x 2", Custom

[Build a Patch](#)



Garrison IR Patches

A popular non-covert safety patch used for protection around the base, street patrols or SWAT. Reflects white light from a vehicle, flashlight, etc. Built with exclusive **SandStorm Technology™**.

Detection

Naked Eye, Night Vision Goggles (NVG), White Phosphorus NVG, Lidar Technology

Other terms used

IR, Glow Tape, Glint Tape, Retro-Reflective, Near Infrared, NIR, Subdued IR

IR Film

IR Reflective

Styles

Printed or Laser Cut

Designs

Nation Flags, Call Signs, Morale Logos, Custom Designs

Sizes

3.5" x 2", Custom

[Build a Patch](#)



Personal Identification

Photoluminescent Patches

This “glow in the dark” safety patch is viewed with the naked eye so no advanced equipment required. Patch charges with white light or the sun. Fully charged patch lasts up to 8 hours.

Detection

Naked Eye, Night Vision Goggles (NVG)

Other terms used

Glow In the Dark

IR Film

Photoluminescent

Styles

Printed or Laser Cut

Designs

Nation Flags, Call Signs, Morale Logos, Custom Designs

Sizes

3.5" x 2", Custom

[Build a Patch](#)



Personal Identification

Thermal Patches

Thermal safety patches and panels provide ID for all your operations that deploy a thermal imaging device. Provides ID feedback 24/7.

Detection

Thermal Imaging Device

Other terms used

IR, Infrared, FLIR, Far Infrared, Mid Infrared, Passive, No Power, Low E

IR Film

Extreme, High Contrast

Colors

Tan, Black , Green

Designs

Nation Flags, Call Signs, Morale Logos, Custom Designs

Sizes

Patches: 4" x 4", Custom

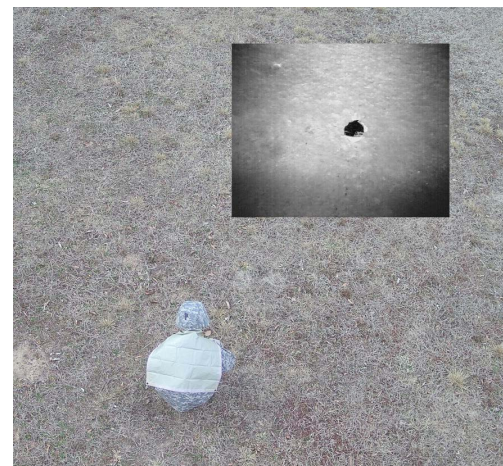
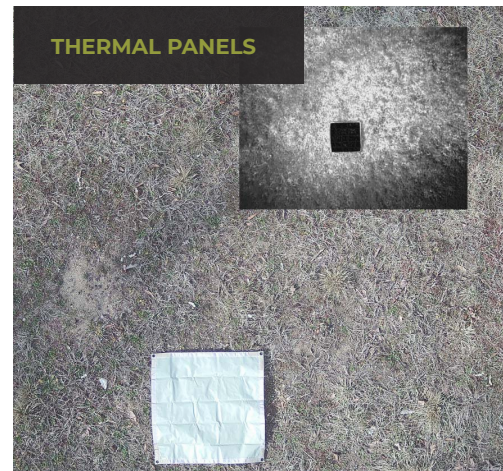
Panels: 2' x 2'

[Build a Patch](#)

Thermal Patches



Thermal Panels



FUSION PATCHES: Two films on the same side of the patch.



FLIP PATCHES: Easy peel and flip, 2-sided reversible patch.

Personal Identification

Fusion & Flip Patches

A unique patch combining two IR films onto one patch. The perfect answer for jobs requiring covert or non-covert protection on any given day.

Covert Detection

Night Vision Goggles (NVG), White Phosphorus NVG, Thermal Imager, Lidar

Non-Covert Detection

Naked Eye

IR Film

IR Reflective, Thermal or Photoluminescent

Styles

Printed or Laser Cut

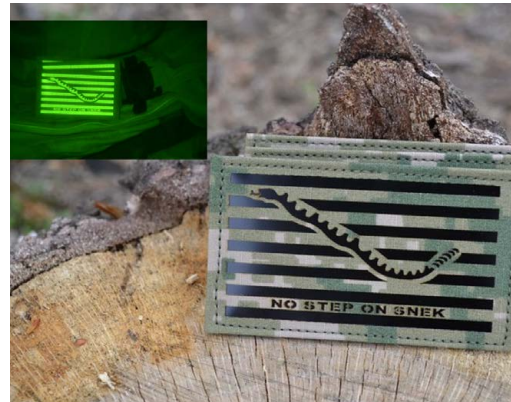
Sizes

3.5" x 2", Custom

[Build a Patch](#)

Personal Identification

Laser Cut Hall of Fame



FIELD IR ROLLS: Bulk rolls for various IFF purposes. Knit back only.



FIELD IR SQUARES: 3/4" pre-cut and packed for ease to sew. Knit back only.



Personal Identification

Field IR Rolls and Squares

Built with exclusive **SandStorm Technology™**, this is the same IR reflective film used to build our durable Field, Friend or Foe patches.

Detection

Night Vision Device, Night Vision Goggles (NVG), White Phosphorus NVG, Lidar Technology

Other terms used

IR, Glow Tape, Glint Tape, Retro-Reflective, Near Infrared, NIR, Subdued IR

IR Film

IR Reflective

Styles

Rolls, Squares, Sheets

Sizes

Rolls: 300' x 3/4"

Squares: 3/4" sq

[Get A Quote](#)

Vehicle Identification

Thermal Panels & Tape

ID film on vehicles improves communication between air to ground and ground to ground operations.

Detection

Thermal Imaging Device

Other terms used

IR, Infrared, FLIR, Far Infrared, Mid Infrared, Passive, No Power, Low E

IR Film

High Contrast

Options

Panels, Rolls, Tape

Colors

TIP Panels: Green, Tan, with Orange ripstop backing

Thermal Roll Tape: Green, Tan, Coyote Brown, Black

Sizes

TIP Panels: 4' x 4'

Thermal Roll Tape: 50m x 10cm

[Contact Us](#)

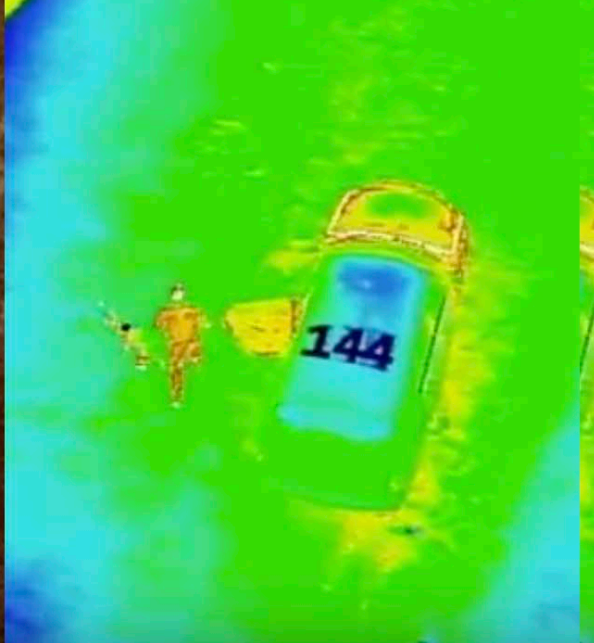
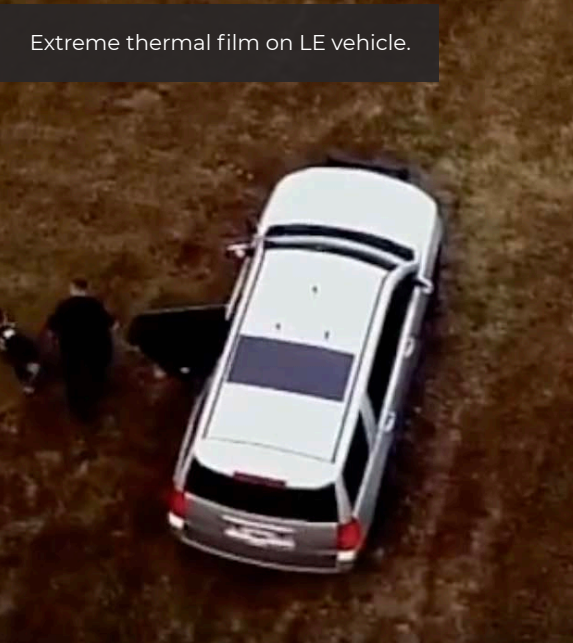
TIP Panels: Solid Boresight or Abrams panel with orange ripstop backing.



Thermal Roll Tape: Cut, peel and stick tape for desired identification.



Extreme thermal film on LE vehicle.



Vehicle Identification

Vehicle Thermal Markers

Outstanding durable markers to boost your air to ground communication.
View 24 /7.

Detection

Thermal Imaging Device

IR Film

Extreme or Clear

Options

Custom Alpha-Numeric Digits,
Custom Logos

Backing

Peel and Stick, Magnet

Sizes

Standard 20" or Custom

[Get A Quote](#)

Eyes in the sky for 24/7 detection.

POLICE K9 Editors Top Pick!



[Click image to learn more!](#)

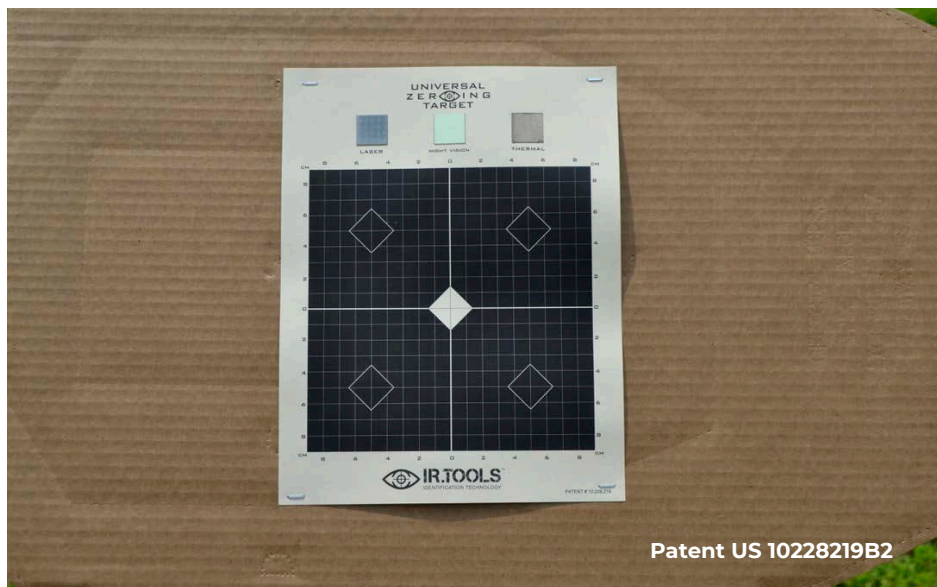
Upright Thermal Targets

Simplify your thermal training. Upright Thermal targets bring all the benefits of thermal target training without the challenges and extra cost of constructing an angled backer. Mount, Aim and Shoot! Choose from 5 upgraded targets built with Upright film.



Zeroing Targets

New designs with new Upright film. Built on Rite in the Rain® paper to resist all forms of moisture. Quick to set up and break-down.



Universal Zeroing Target

Engineered for all your advanced optics. Peel and stick 2cm 2cm paster for quick, accurate zeroing of your weapon.

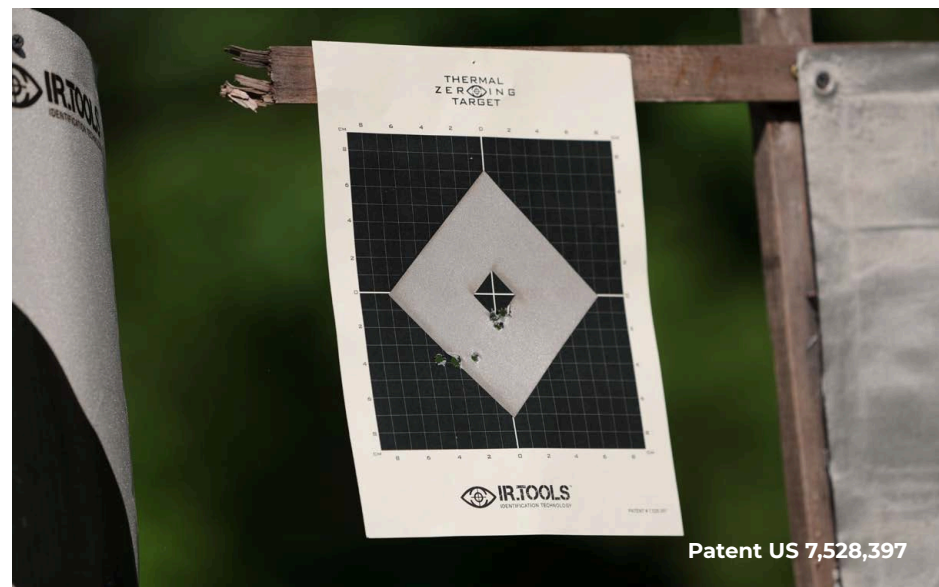
Detection

Advanced Weapon Sights, Laser, Night Vision, Thermal

Buy Now



Video Instructions



Thermal Zeroing Target

Perfect for zeroing your thermal optics. A 2cm diamond shape POA creates sharp zeroing contrast.

Detection

Thermal Weapon Sight

Buy Now



Video Instructions

Upright Powered Thermal Targets



An outdoor/indoor target with a contrast that will not disappoint. This Upright powered target is built with specially designed heat technology. The thin, rubber-like material is nearly indestructible. Choose from a Boar, Coyote, or E-type target.

Detection

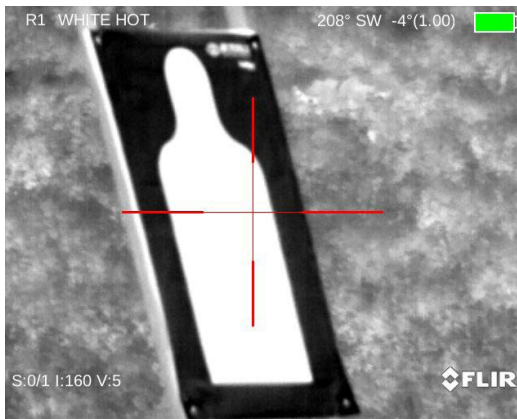
Advanced Weapon Thermal Sights

Thermal Film

Upright

Features and Benefits

- » No wires to short circuit or catch fire
- » Powers up on 12/24 v battery
- » No Flaring
- » Shoot at extreme angles and distances
- » Mount with staples or grommets



[Buy Now](#)



Targets

Upright ESP Thermal Sleeve Targets

Effortlessly slip passive Upright ESP thermal target over your backer for a snug fit. Target stays tight even during the fiercest wind storms.

Detection

Advanced Thermal Weapon Sights

Thermal Film

Upright

Features and Benefits

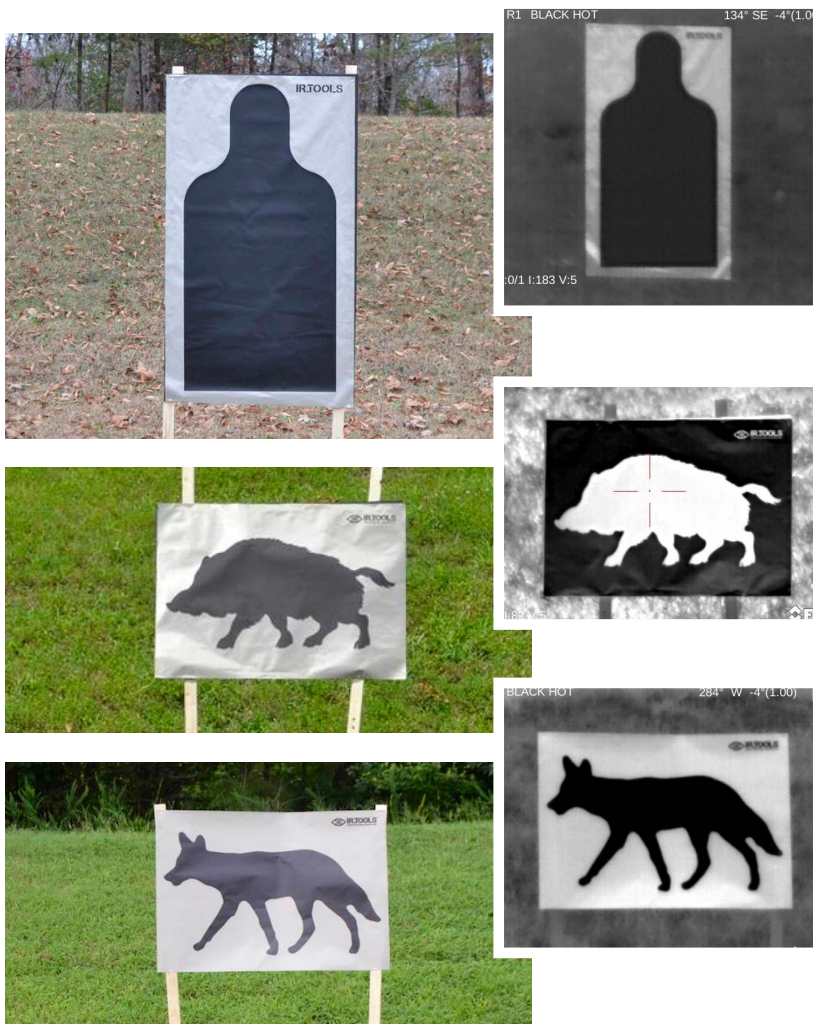
- » Life-like contrast for accurate shots
- » Snug fit retains contrast in extreme winds
- » Elastic sleeves conforms to various backer sizes
- » No batteries, no electric, no hassle!
- » Easy on, Easy off

No leaning or tilting required!



Upright Passive Targets

Mount this passive target to your favorite target backer for a quick, easy, stress-free set up. No worries about the angle position. Mount, Aim, Shoot. The sharp thermal contrast is a winner.



Enjoy the benefits of this lightweight, downrange Upright passive training target.

No power needed to engage the targets life-like contrast.

Available in a Boar, Coyote, and E-type.

Detection

Advanced Thermal Weapon Sights

Thermal Film

Upright

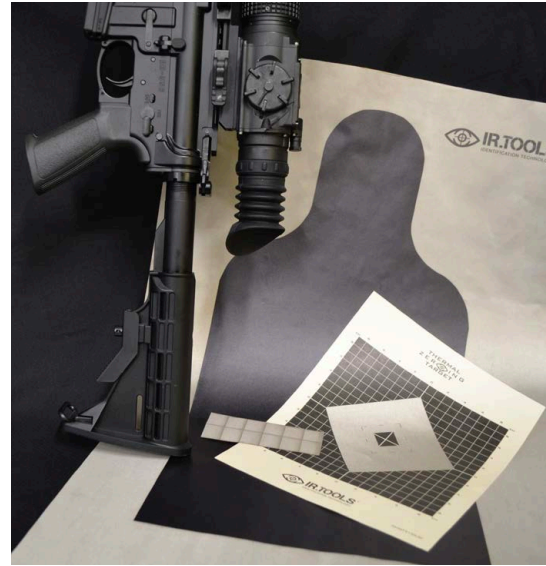
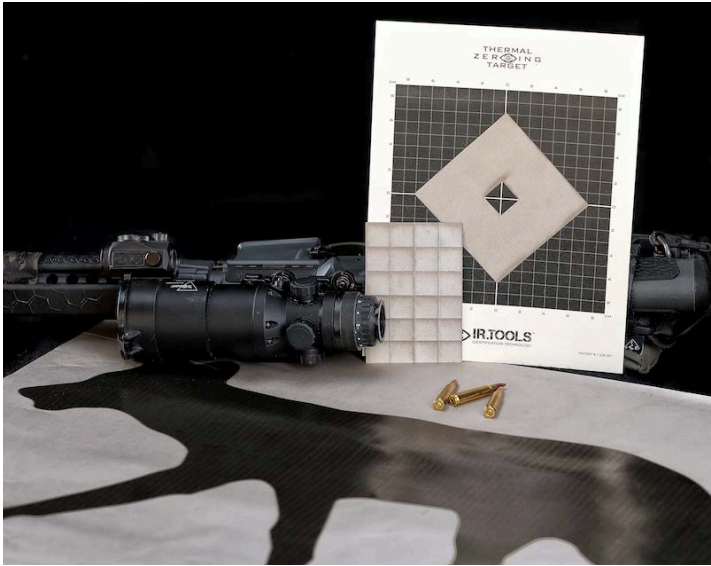
Size

30" x 24" - Boar, Coyote

24" x 30" - E-type

Buy Now

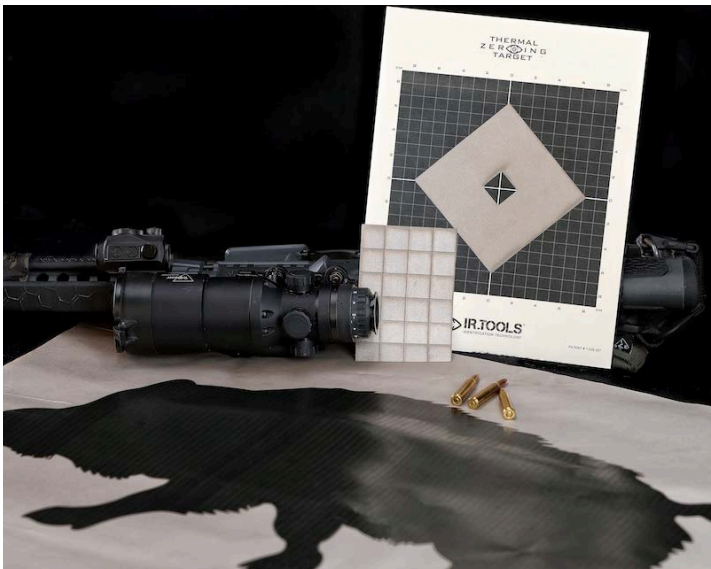
Upright Passive Target Kits



Call your friends and enjoy a challenging afternoon shooting this Upright Target kit.

This kit is built to increase your accuracy and gain control of your thermal scope.

Mount, Aim, and Shoot!



Step 1: Zeroing

Easily mount an 8.5" x 11" thermal zeroing target. Tight aim point and no blooming.

Step 2: Training

Easily mount target to target stand and begin training. Target absorbs hundreds of shots.

Step 3 : Paster Options

Repair holes on cold portion of target or mark as aim points on the hot portion of target.

Available in a Boar, Coyote, and E-type.

High Contrast Thermal Rolls and Tape



Thermal Rolls

Thermal Rolls provides you the flexibility to cut and select a target of your choice.

Thermal Film

High Contrast

Size

500' x 2"

Colors

Green, Tan, Black, Brown

Thermal Tape

Convenient peel and stick thermal roll tape for quick applications.

Thermal Film

High Contrast

Size

50m x 10cm rolls

Colors

Green, Tan, Coyote brown

Ground Control Points

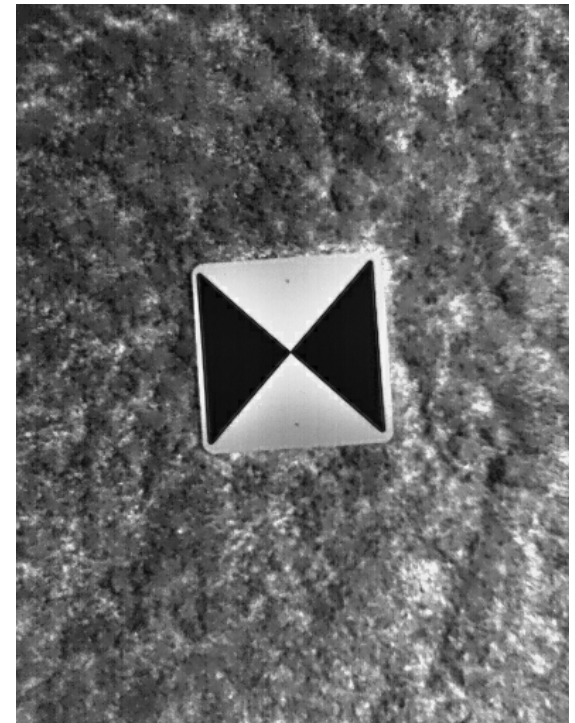
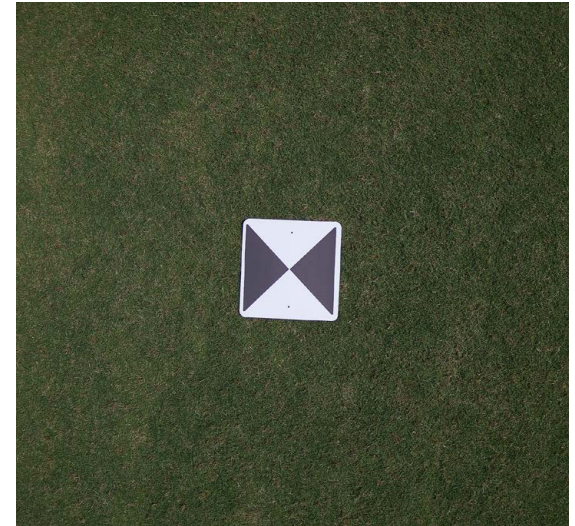
Aerial mapping, surveying, research, and checkpoints are a few of the operations that benefit from deploying thermal control points. The strategically placed thermal marker relays data to command for evaluation and optimal decision making.

Thermal Film

Extreme

Sizes

Custom



Drone Training

Night Vision and Thermal Infrared Discs

These practical training guides for Drone training are built to satisfy precise NIST specifications.

- » Built with infrared films for versatile training with visible or IR sensors.
- » Visible with the naked eye in daylight
- » No power is required for ease of use and prolonged training scenarios.
- » Fits neatly into 2-gallon bucket for bucket-style training.

Detection

Night Vision or Thermal Devices

Film

IR Reflective, High Contrast
Thermal

Size

8" round, 4" round



Steps to Your IR Protection

1. DISCOVER

We will listen and evaluate to discover and better understand your problem.

2. DESIGN

Our engineers will design or recommend an ID to solve your unique problem.

3. DELIVER

We will deliver your premium ID protection.

Path to Purchase

1. Request your quote

quotes@ir.tools
or call 443-292-8885

2. Send your PO to

orders@ir.tools, with quote #

3. Payment

Net terms for Dealers or
Credit Card Prepayments

[Shop Now](#)

**We are looking for motivated Dealers who want to sell premium IR protection.
For more information, call Tom at 443-292-8885.**



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