



**IR.TOOLS™**  
IDENTIFICATION TECHNOLOGY

## IR Patches

### Protection Against Casualties or Injuries

IR patches are worn during operations in the dark to protect against unwanted casualties or injuries. The more popular IR Field patch prevents friendly fire casualties in covert operations while the IR Garrison patch protects against non-covert accidents. Both IR Field and IR Garrison retro-reflect infrared energy yet the IR Garrison patch reflects white light (flashlight, headlights) to the naked eye. The IR Field patch absorbs the flashlight and keeps soldiers position hidden. The IR Field patch can only be viewed with a Night Vision device (NVG).

Made with IR.Tools™ exclusive Sand Storm Technology™.

### Features

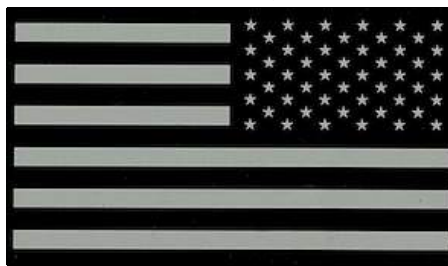
- Hybrid (fabric) or Printed Styles
- For use with Night Vision devices
- Standard 2" x 3.5" and custom sizes
- Clean laser designs on Hybrid patches
- Durable Hook Backing



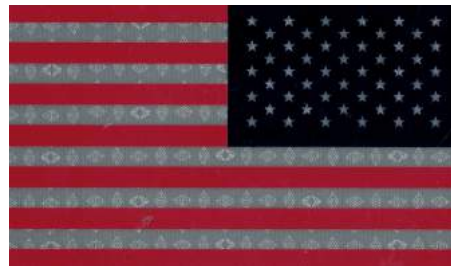
IR Field - Hybrid



IR Garrison - Hybrid



IR Field - Printed



IR Garrison - Printed



**IR SPECIFICATIONS**

IR Patch Characteristic	Rating	Reference	Application
<b>Peel Strength-Hook Back to Reflective Patch</b>	<ul style="list-style-type: none"> <li>Min 12 lb at STP</li> <li>Min 5 lb after 16hr water bath</li> <li>Min 5 lb after 16 hr 120° F bake</li> <li>Min 5 lb after 16 hr -40° F freeze</li> </ul>	Tested by Natick Soldier Research Center and an independent third party laboratory	Printed patches only
<b>Reflective Material</b>	Micro prismatic reflective film	COC on file	All IR patches
<b>Hook Back</b>	A-A-55126, Type II, Class I, Black	COC on file	All IR patches with hook
<b>Detection Distance</b>	Minimum 300 m	Army Soldier Systems Center using PVS-14	¾" IFF tab
<b>Detection Distance</b>	Minimum 800 m	Self certified with PVS-14	All IR patches with 4"sq exposed glow material
<b>Identification Distance</b>	Typical 30 m strongly dependent on patch design/graphic	Self certified with PVS-14	All IR patches
<b>Detection Angle</b>	5°	¾" sq tested by Army Soldier System Center	All IR patches
<b>Retro Reflectance</b>	≥ 70 at 0, 0 typical > 140	Tested by independant third party lab	US flag patch tested, other similiar patches
<b>Gloss</b>	<50 GU @ 60°, <15 GU @ 20°	Self certified using Novo Gloss Lite	Printed patches only
<b>Weight</b>	6 g	Self certified	2" x 3.5" patches
<b>Abrasion Resistance</b>	Min 20 sec sandblast	Self and 3rd party certified	All IR patches

100% Satisfaction Guarantee

