

Reducing American Casualties by IR-UV Stealth Concealment of Helicopters.



For licensing, Patent Pending in friendly country



Install stealth, software, & its **ON / OFF** Switch, 85% - 100% reduced visible-UV-IR detection.
Click on <http://www.saferplane.com/stealth>

Summary: Visibility-IR-UV stealth:

Visibility stealth blinds enemy personnel and pilots and the IR stealth blinds most missiles & smart bombs against moving targets. It denies the IR detectors to read target GBS location to guide smart bombs, far-behind big artillery, & tracking a moving vehicle, seacraft, & aircraft.. The enemy is in about-total paralysis with no choice except for surrender or defeat.

American casualties by downed helicopters and IED in Iraq:

For reducing American Casualties by IED in Iraq please review [Click on http://www.saferplane.com/stealth](http://www.saferplane.com/stealth). Or [Click on http://www.military.com/soldiertech](http://www.military.com/soldiertech) to view the front page main article in **Military.com journal**

Shoulder-fired missiles as the Soviet SA-7, the advanced Chinese HN-5, and the American Redeye and advanced Stinger use the infrared systems to home in on the passive IR emitted by the heat of the engine. The insurgent missile shooter sets his visible eye sight on the helicopter or any aircraft, waits for a tone that signals an IR lock, pulls the trigger, forget about it, and wait for the kill.

With our IR-Stealth cloaking the helicopter, the ground or air shooter will not get the buzzer signal of the IR homing on-target lock. So the shooter does not fire his heat seeking deadly missile. The missile becomes blind and useless.

Other countermeasure technologies are unsafe and ineffective; Pyrotech chaff can start ground fire, lasers that zap inbound bogies and disrupt their tracking could start collateral fires on the ground, ground security as tighter perimeters, scrutinizing boaters, vehicles, pickups, and roof tops is an enormous and expensive way of defense at home, in Iraq, in Afghanistan, and in future American wars.

This stealth is effective against IR-UV passive optical and heat seekers using the advanced single PbS crystal (cell), the tracking software, and signature recognition of the helicopter. The insurgent becomes unable to get his buzzer lock started.

Testing and evaluation was done by overflowing a person with infra red, in the absence of concealment (pictures # 26, 27) and compared to same person behind the stealth cloak (Pictures # 28-32). For UV stealth see pictures 33,34, against 35, 36. All reported pictures are authentic with no modification except for size.

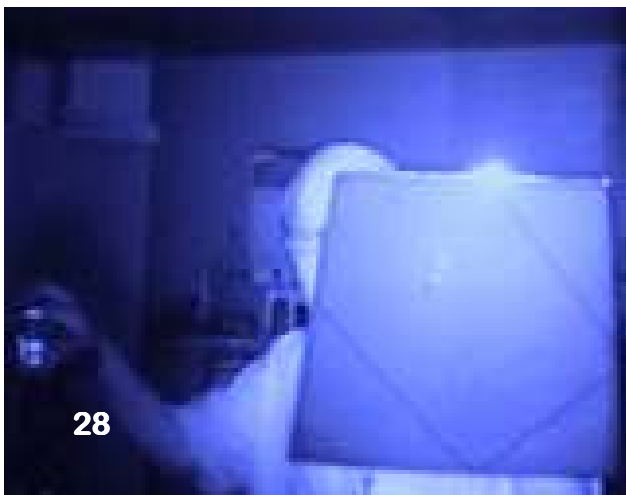
Visibility-UV-&IR Stealth, Stealth concealment of personnel, vehicles, & tools to become unspottable by enemy eyes, camcorder, or by active or passive night viewer CCD with the simplicity of an **ON / OFF** switch and without impeding any normal function as wheels, firing, feet, hands, mouth, ears, or sight, is a powerful system day or night in war & in peace. The **IR-&UV stealth** against passive or active IR viewers & CCD detectors makes it a more powerful tool in war. Its application to protect helicopters will reduce American casualties in Iraq, Afghanistan, and in future wars.



No stealth, day light indoors



Partial visibility cloaking of a person, Stealth Switch ON



Partial concealment against active IR illumination and sensitivity up (CCD) Viewer detector.



Unconcealed hand in front of the stealth cloak, between the cloak and the the CCD



Night vision of un-cloaked person. Hand extended over cloak edge.



Adaptive cameleon paint in a darker surrounding better concealment.



31
 Passive night vision, No IR Illumination.
 Just amplifying Ambient night light.



32
 Passive night vision by CCD video, a Partial
 Concealment of body and arm.

Field Live-Demonstration: available where a person in a bunker rises & shoots blanks at observers, camcorder, detector with intense IR illuminator at day or night at more than 20 feet away without being spotted by observers' eyes, by camcorder, or by passive or active night vision viewers and CCD. All live situations presented in picture 26-36 are available for live demo. Another live demo is seeing the concealed robot, picture # 10 &11 of early report.

UV-Stealth

The Chinese HN-5 and the American Stinger have 3-D IR-based signature & ID systems aided by UV signal for highly effective targeting but not when deprived by our visibility-IR-UV cloaking



33
 Full UV spectrum lamp , unlit on OFF



34
 Lit UV lamp seeing its visible bluish range



35
 Lit UV lamp behind the stealth cloak



36
 Lit UV lamp behind automated cloak

Automatic adjustment to conform with the surrounding:

The personnel stealth cloak or outfit in the form of a garment or dress to wear performs equally to that of the chameleon skin or the squid tail protein. The software blurs the edges, adjusts color and brightness, to interactively conform with the surrounding while the person is at still position or at fast movement of attack or withdrawal. Furthermore, macho-like images can be printed for morale boosting.

Installation: Apply stealth on the 4 sides of the vehicle, install the software, do self test, and turn switch **OFF**. **Turn switch ON** when needed. For personnel or for a dog, wear outfit or headset while hands, feet, eyes, ears, & mouth remain free.

Applications: In war or peace. Stealthy you or your stealthy dog can hide & hunt live birds & animals. The animal much-stronger-than-man night vision is overcome the combined visibility-IR-UV stealth. Use stealth in robots, boats, SOC, carriers, infiltrating front lines, & kidnap enemy officers. Stealthy persons with stealthy RPGs can destabilize enemy. Lab tests shows that this IR-stealth conceals **helicopters** from fire-&-forget heat seeking ground and air missiles.

Tentative prices: Visibility stealth with **ON / OFF** switch is: \$1,600 for person, \$2,800 for hunting or police dog, \$29,000 for APC Hummer, \$49,000 for Stryker or tank., & \$59,000 for speed boat, Pricing for IR-Stealth, UV, and passive / active night vision will be available soon.

Limitations: Not less than 20 feet distance and no conversation with closeby enemy. This stealth system of becoming unspotable by eye or by camcorder is an all weather, day / night, still / moving, & land / sea. The system is used for the iterated functions we reported. The combined visible-IR-UV **Stealth** appears successful but field-live T&E remains to be performed on a Stinger and a helicopter we do not have.

Licensing & partnership

We prefer to license the technology to a defense contractor firm.

Front Page in Defense Review & in Military.com (Soldier Tech) Journals:

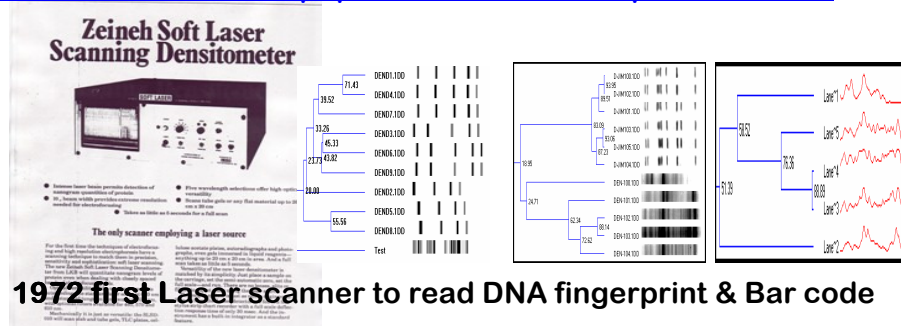
Click on <http://www.military.com/soldiertech> to view the front page article in **Military.com journal**

Click on <http://www.defensereview.com/modules.php?name=News&file=article&sid=850>

And on <http://www.defensereview.com/modules.php?name=News&file=print&sid=850>

A Proven Inventor:

Who in 1972 invented the first laser scanner that read DNA & Bar code



1972 first Laser scanner to read DNA fingerprint & Bar code

The American Congress paid for the education of WVa University graduate, Dr. Z. Dr. Z also invented **the First Laser Scanner**, a 1972 USA Patent # 4025200 marketed then by Pharmacia-LKB whose owner paid 43% of Sweden payroll. As Pharmacia-LKB sold the first 84 Zeineh Laser Scanning Densitometers in 1978 and with no contingency lawyers then, the Giant competed Dr. Z out of market & swallowed him alive preventing him from further contribution to medicine, science, & humanity. Similar uncalled for greed need not to happen again. The Pharmacia laser market for DNA now is over \$2 Billions / year.

The original Zeineh laser software reads **DNA** identity, In addition to reading DNA identity, the laser scanner has evolved now to read **Bar Codes** & calculate prices as in grocery stores, route & track mail in post office, shipping, & libraries, and most importantly in modular manufacturing where a drastic improvement in **quality**, realability, simple operation,

maintenance, and the bonus of reduced cost. Click <http://www.aabi.com> and run 1D Clustering / fingerprinting as seen in above graphs.

Dr. Z also invented the **passenger plane anti-hijacking** device in Dec. 2001, USA Patent # 6,943,701 that diverts the hijacked plane away from value targets as Atomic Reactors, dams, The White House, The Pentagon, Al-Kaaba, ... click on <http://www.saferplane.com>

Note: The B2 Bomber won **American Supremecy** & the Iraq war overnight. Presdient Carter declared the technology success 28 years ago. Its cost has exceeded **#3 Trillion** & 30 years time in Nevada area 51. This visibility-IR-UV stealth is valuable....., **What say you ?**.

[Please email your comments and advice or call.](#)

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