



RAJUGA
INVISIBLE INVINCIBLE

URBAN

POLARIS
SOLUTIONS

OUR STORY

Polaris Solutions Ltd, founded in 2009 by two former IDF SOF fighters to increase the survivability of troops in the battlefield. We use our expertise to create innovative and effective survivability solutions for Signature Management and Tactical textiles needs.

Our Brands:

RAJUGA – State of the art Camouflage and Concealment products

OSO GEAR – Tough and Durable Tactical Textiles

Our products are being used by SOF around the globe



TABLE OF CONTENTS

OUR INNOVATION	>>	4
SENSOR CONCEALMENT	>>	8
PERSONAL	>>	13
OBSERVATION POSTS CONCEALMENT	>>	20





Visual



FIR



FIR

TVC SUBSTANCE

The modern battlefield is an environment unlike any before, increasingly saturated by state of the art observation sensors. To ensure the survival of our troops, these sensors must be obstructed. Our TVC (Thermal Visual Concealment) overcomes a wide variety of sensor types.

SPEC

▷ TVC Substance comes in 3 basic types: TVC50, TVC100, TVC150

▷ TVC50:

Total Weight- 390gr per sqm

Thickness- 400 microns

▷ TVC100:

Total Weight- 550gr per sqm

Thickness- 450 microns

▷ TVC150:

Total Weight- 700gr per sqm

Thickness- 500 microns

▷ Dimensions: Max Roll width- 1.25m

PATTERNS



Light
Stone



Dark
Stone



Wood
Land



Desert



Custom
Made





3D CAMO

Our TVC's form is foldable and moldable, enabling the end user to adapt it for a specific AOR.

The end user can manipulate the TVC to imitate any 3D object in the environment, and then fold it back into a 2D form, repeatedly.



Rolled TVC Panel



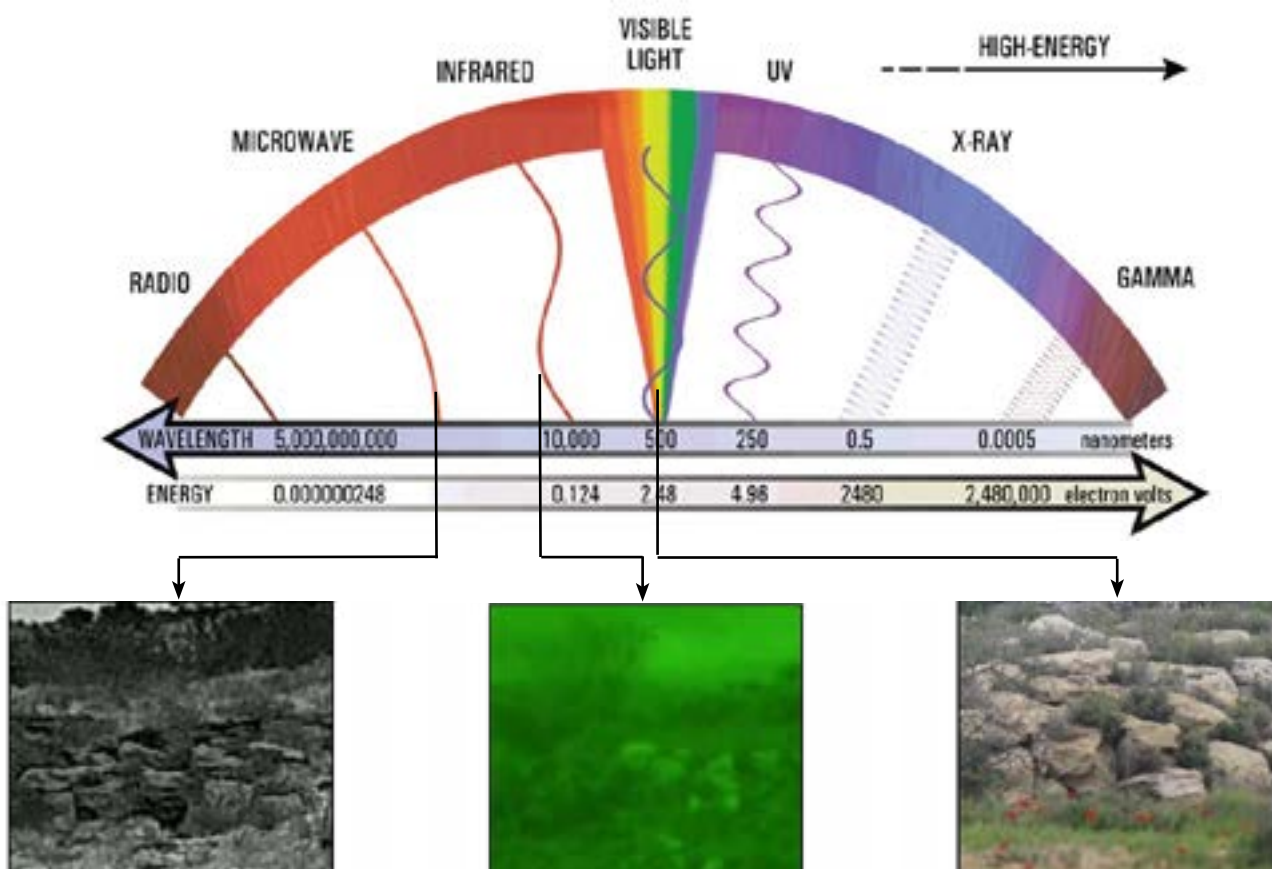
Folded TVC Panel



Molded TVC Panel

MULTISPECTRAL

The TVC conceals objects in the **Visual**, **IR** and **FIR** spectrum.



2-SIDED COLORATION

The TVC can be printed on each side to resemble the coloration of a specific or general AOR.

We developed a digitized coloration technique that can generate any color pattern from basic colors. This enables us to rapidly develop a tailor made camouflage pattern (see develop camo).



Light Stone Dark Stone Wood Land Desert

CLOSE PROXIMITY TO TARGET

When operating in a complex asymmetric warfare environment, you want to be able to get as close to your target as possible without being detected. TVC products provides you with the advantage of surprise, while degrading the ability of enemy ambushers to detect you from afar.



Sniper 5M



Vehicle 50M

SENSORS CONCEALMENT-TVC

SENSORS CONCEALMENT-FABRIC





SENSORS CONCEALMENT



TVC SENSOR COVERS

Battlefield sensors have boosted operational effectiveness by providing reliable information generated by sensors to tactical commanders.

For full effectiveness, however, sensors must be concealed from the enemy.

We offer a wide range of tailor-made sensor covers, to meet specific requirements.

FEATURES:

- ▷ Enables full sensor operation
- ▷ All band broadcast capability
- ▷ Special apertures for antenna and cables
 - Weatherproof design option
- ▷ 3D reshapable cover
- ▷ Reduces sensor detectability to 1m range
- ▷ Weather resistant
- ▷ Highly durable
- ▷ Perfect for long lasting missions
- ▷ Can be designed to imitate any object





FABRIC SENSOR COVERS

Battlefield sensors have boosted operational effectiveness by providing reliable information generated by sensors to tactical commanders.

For full effectiveness, however, sensors must be concealed from the enemy.

We offer a wide range of customized sensor covers, to meet specific requirements.

FEATURES:

- ▷ Enabling full sensor operation
- ▷ All band broadcast capability
- ▷ Fabric permits sensor see through in all wavelengths (visual, thermal, radar etc;)
- ▷ Special apertures for antenna and cables
- ▷ Weatherproof design option
- ▷ Feather light and low volume
- ▷ Reduces sensor detectability to 10m range
- ▷ Highly durable
- ▷ Easy and rapid setup
- ▷ Perfect for urgent, low prep time missions





SENSOR CONCEALMENT URBAN ENVIRONMENT



custom made according to customer requirements



Specific picture printing



TVC PANELS

SNIPER CANOPY

PERSONAL



TVC PANELS

- ▷ Basic concealment panels to hide gear, backpacks and sensors
- ▷ Personal/Team camouflage component
- ▷ Panels composed of unique TVC substance
- ▷ TVC panels printable on both sides according to specifications

PATTERNS



INTENDED USE



TVC PANELS

	SIZE	TOTAL WEIGHT	S/N
TVC50M	60X60 cm	150 gr	9002-0051
TVC50L	100X125 cm	540 gr	9002- 0082
TVC50XL	200X125 cm	1 kg	9002-0021
TVC50XXL	250X125 cm	1.3 kg	9002-0083
TVC100M	60X60cm	218 gr	9002-0061
TVC100L	100X125 cm	760 gr	9002-0006
TVC100XL	200X125 cm	1.5 kg	9002-0007
TVC100XXL	250X125 cm	1.8 kg	9002-0016
TVC150M	60X60 cm	277 g	9002-0004
TVC150L	100X125 cm	960 g	9002-0003
TVC150XL	200X125 cm	1.9 kg	9002-0002
TVC150XXL	250X125 cm	2.4 kg	9002-0001



TVC PANELS URBAN USE

Waste Camo Cove

The cover is made from our unique TVC panels combined with infrastructure. The TVC panels can be printed to resemble any object in the surrounding



our unique TVC panels printed to resemble a brick wall can be used to conceal a squad in an urban environment





our unique TVC panels printed to resemble a brick wall can be used to conceal a squad in an urban environment



our unique TVC panels printed with Urban print can be used to conceal a squad in an urban environment





SNIPER CANOPY

Our Sniper Canopy is a local force positional concealment. With a 2 second assembly it is a perfect solution for a local force in both - open field and urban warfare, where rapid positional change is required.

SPEC

- ▷ Weight: 650gr
- ▷ Highly durable fiberglass structure
- ▷ Replaceable external canopy/patterning

PATTERNS



Light Stone Dark Stone Wood Land Desert

INTENDED USE





URBAN CAMO KIT

MINI URBAN CAMO KIT

PANTERON -QUICK CAMOU AGE POSITION

WATER TANK POSITION





OBSERVATION POSTS CONCEALMENT



URBAN JAGUAR KIT

Defense and homeland security forces increasingly operate in urban environments; from SF units in Afghan towns combating terror to SWAT teams combating drug dealers in major cities. The urban environment poses unique challenge for snipers and others who need to see without being seen. Our Urban Camo Kit provides the operator the ability to do precisely that.

SPEC

Measurements (packed Kit):

- ▷ Length: 60cm
- ▷ Weight: 3.8kg, 8.3lbs
- ▷ Diameter: 18cm

Measurements (Deployed):

- ▷ Height: 200cm
- ▷ Length: 200cm

PARTS:

- ▷ Pack Sac:
 - Made from Nylon 420 fabric
 - Can be used to close other openings (such as doors)
 - Measurements:
Length- 3m, Width- 2.2m
 - Can be separated into two 1.5mX2.2m parts

Mesh:

200g Sq.M

Poles:

Aluminum 7075

INTENDED USE



Without the kit



With the kit



URBAN JAGUAR MINI KIT

Defense and homeland security forces increasingly operates in urban environments.

The urban environment poses unique challenge for snipers and others who need to see without being seen. Our Mini Urban Camo Kit provides the operator the ability to do precisely that.

Specially designed for confined spaces.

SPEC

Measurements (packed Kit):

- ▷ Length: 63cm
- ▷ Weight: 2.3kg
- ▷ Diameter: 15cm

Measurements (Deployed):

- Length: 150cm
- Height: 170cm

PARTS:

- ▷ Pack Sac:
 - Made from Nylon 420 fabric
 - Can be used to close other openings (such as doors)
 - Measurements:
 - Length- 3m, Width- 2.2m
 - Can be separated into two 1.5mX2.2m parts

Mesh:

200g Sq.M

Poles:

Aluminum 7075

INTENDED USE



Without the kit



With the kit



PANTERON - QUICK CAMO COVER

Resemble a “front wall”, designed to be used in different areas :

Urbans - openings or cracks that aren't standard to the structure.

Open field- complex/boulders

- The kit can be ordered in different prints according to custom requirements
- It is possible to integrate prints and to exchange them easily accordingly to operation needs.
- The position is used to cover 180 degrees, several kits can be combined for larger coverage area.



SPEC

- Weight 1.5 kg
- Height: 60cm
- Wide: 1.4 m
- Depth: 40cm

Set Up time for 1 person: 1.5 minutes

Break Down time for 1 person: 30 second





WATER TANK POSITION

Snipers/Shooters post in urban and built-up areas

Designed for mission at agricultural terrain on roofs etc.

Positioning: sitting or standing with gun tripod/Observation system

It can fit 2 fighters.

Lightweight construction and easy to assemble.

to get a falling tank can be connected 2 pieces together

SPEC

▷ Height: 1.5 m

▷ Wide: 1.5 m

▷ Depth: 80cm

Set Up time for 1 person: 1.5 minutes

Break Down time for 1 person: 30 second





CONTACT US

We are here to answer any question!

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You are also welcome to visit us at our offices at Givat Haim Ihud, Israel.

Please coordinate your visit with us in advance.

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