Camouflage Fabric

About Camouflage fabric

Organization Using This item: Star Army of Yamatai Type: Camouflage Nomenclature: Camouflage fabric Designers: Ketsurui Zaibatsu Research and Development teams, Star Army Research Administration Manufacturers: Ketsurui Zaibatsu, Star Army of Yamatai Brought into service: YE 30

Description

This fabric is the latest in concealment for immobile objects. Its purpose is to protect resources when manpower has to leave it behind. The fabric is intended to work against visual detection and also reduces detection of objects via infrared. Objects under the fabric are not exposed to solar radiation they do not warm up beyond the ambient temperature of the area.

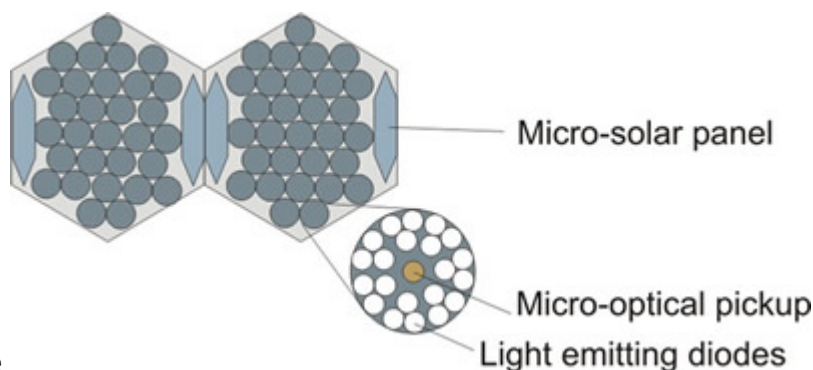It has two modes of working:

Cloak Mode

It works by transmitting an image of what is on one side of the object to the other.

Conceal Mode

Projects one of several pre-made images/patterns.

About Camouflage Fabric

When deactivated it has a charcoal gray satin like appearance on the outward facing side. The reverse side is black. This fabric is covered with a lattice of micro-light emitting diodes, micro-optical pickups and micro-solar panels. It is currently available in three sizes; see table the below.

Example of lattice

While the fabric is powered, the energy level is relatively low.

Computer/power pack

The computer is in a ruggedized case to protect it against the elements and rough handling. It is attached to the camouflage fabric via a data cable.

It plugs into one of three standard 3 power packs available, each one supplies a longer charge and is normally intended for a corresponding size fabric; see the table below.

Computer specifications

Height: 15 cm (6 in) Width: 30 cm (12 in) Depth: 10 cm (4 in) Mass: 4.5 kilograms (10 lbs)

Prefab selections provide basic patterns and images including but not limited to the following:

- Standard Star Army Camouflage
- Jungle pattern
- Desert pattern
- Bush various sizes and types
- Rock or boulder various sizes and types

Standard types

Camouflage fabric performance data

Fabric type	Size	Power pack type	Operating time
Type 5	152 x 152 cm (5 x 5 ft)	Type 5	36 hours *
Type 5	152 x 152 cm (5 x 5 ft)	Type 10	144 hours *
Type 5	152 x 152 cm (5 x 5 ft)	Type 20	576 hours *
Type 10	305 x 305 cm (10 x 10 ft)	Type 5	9 hours *
Type 10	305 x 305 cm (10 x 10 ft)	Type 10	36 hours *
Type 10	305 x 305 cm (10 x 10 ft)	Type 20	72 hours *
Type 20	610 x 610 cm (20 x 20 ft)	Type 5	2.25 hours *

Fabric type	Size	Power pack type	Operating time
Type 20	610 x 610 cm (20 x 20 ft)	Type 10	18 hours *
Type 20	610 x 610 cm (20 x 20 ft)	Type 20	36 hours *

Note: * solar panels can extend operating time by up to 25% depending on conditions.

Power pack data

Type	Weight
Type 5	9.09kg (20 lbs)
Type 10	15.09kg (35 lbs)
Type 20	22.73kg (50 lbs)

Limitations

Camouflage fabric does have some limitations due to environmental conditions.

Limited effectiveness

While the fabric will work under these conditions, its effectiveness at close range is reduced.

- Smoke
- Fog
- Wind

The fabric does not work effectively under these conditions:

- Rain
- Snow
- Hail

Unusable

Does not work at all:

- Darkness (unit turns off when ambient light drops below minimum level of the LED's. Otherwise the fabric would "glow".

Star Army Logistics	
Supply Classification	Class E - PARTS AND COMPONENTS
Products & Items Database	
Product Categories	materials
Product Name	Camouflage Fabric
Manufacturer	Ketsurui Zaibatsu

Products & Items Database	
Year Released	YE 30

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