SPAVER®

IR Helmet Light

DESIGNED AND MANUFACTURED
IN REPUBLIC OF KOREA



MIL-STD-810G

STANDARD
MIL-STD
810G

Spaver Signaty IR Helmet Light

Next-generation IR Light developed with Korean technology

Manufacturer
PostX Co., Ltd.

PostX

Features

Product Features

- **Material :** High strength polycarbonate dome cover material applied
- **Pattern :** Pulse pattern input and storage function (4 default, expandable)
- **LED :** White x 2, Tri-color (red/green/blue) x 2, IR x 4
  9 lamps of 5 colors, including 1 high brightness white x 1, etc.
- **Synchronization :** IR/LED has 5 groups of flashing functions and automatic synchronization, automatic/manual synchronization function by user (Autosync)
- **Output :** 4-stage low and high output selectable visible and invisible output function
- **Durability :** MIL-STD-810G temperature, vibration / IP68 / drop test completed
- **Firmware :** Near Field Communication and wireless firmware update method applied
- **Convenience :** One-hand operation function and operation vibration feedback, LED/IR SOS and flash function
- **Operation :** Up to 130 hours of operation with AA battery

Product Test Performance

- **Brightness & Duration :** LED 130 hours, IR 125 hours (Self-tested, Up to 40 hours at maximum)
- **Drop Test :** KS C IEC 60068-2-31 (1.5 m)
- **Detection Range :** Up to 5 km (based on visible light; Self-tested)
- **Waterproofing :** MIL-STD-810G:2008 Method 512.5 (10 m for 1 hour)
  KS C IEC 60529:2013 (10 m for 1 hour)
- **Dust Resistance :** MIL-STD-810G:2008 Method 510.5 Procedure I
- **Sand Resistance :** MIL-STD-810G:2008 Method 510.5 Procedure II
- **Operating Temperature :**
  - MIL-STD-810G Method 502.5 Procedure II (-32°C to 23°C)
  - MIL-STD-810G Method 501.5 Procedure II (23°C to 43°C)
- **Low/High Temperature :**
  - MIL-STD-810G Method 502.5 Procedure I (-33°C to 23°C)
  - MIL-STD-810G Method 501.5 Procedure I (23°C to 63°C)
- **KC Certification :** Certificate of Conformity for Broadcasting and Communication Equipment (BO5R392-2112B)



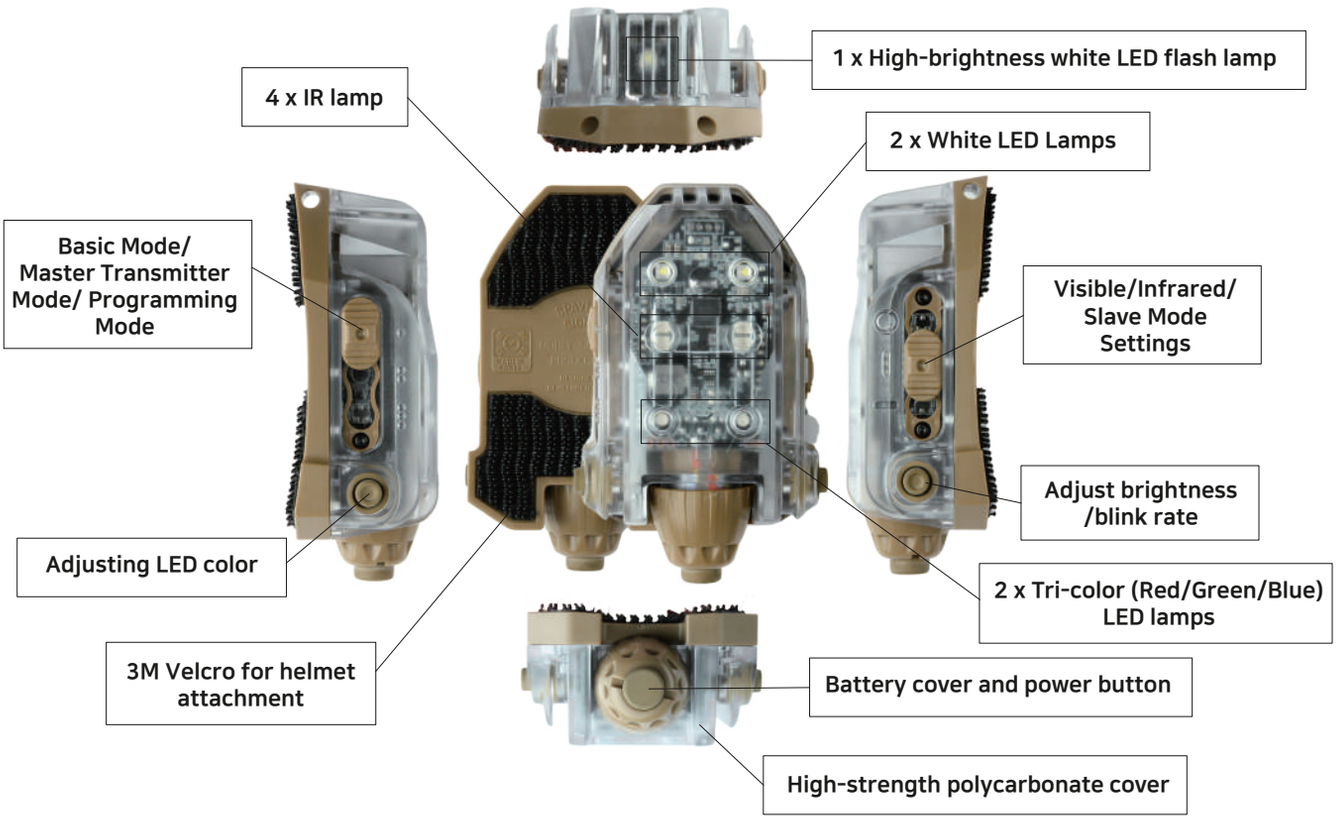
Dust/SandProof
MIL-STD-810G METHOD 510.5
PROCEDURE I | PROCEDURE II

High and Low Temperature Storage/Operation
MIL-STD-810G METHOD 501.5 / 502.5
PROCEDURE I | PROCEDURE II

Immersion Test
MIL-STD-810G METHOD 512.5
KS C IEC 60529:2013
10M 1hr

Drop Test
KS C IEC 60068-2-31 (1.5m)
Height 1.5m

Functions



Specification

Product	Spaver Signaty IR Light (SPY-IRGB01)
Size/Weight	Approx. 90 x 34 x 59mm / 105g (include AA battery and MOLLE Mounting Adapter)
LED	White x 2, Tri-color (Red/Green/Blue) x 2, IR x 4 (SWIR Module Customizable), High-brightness White x 1
Material	High-strength polycarbonate and more
Color	BLACK / COYOTE / OD (Custom Available)

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Components



Main Unit
+ AA Batteries



Molle Mounting Adapter



Molle Pouch