

ADVANCED PHOTONICS
THERMAL CLIP-ON ATTACHMENT
FOR NIGHT VISION
TICON

The TICON is a Thermal Imaging Clip-On for Night Vision.

The unit easily attaches to PVS-7, PVS-14C, or PVS-31C-MOD and enhances their functionality, by adding a thermal overlay to the image intensified display without the need to change or modify equipment.

The combination of two technologies decreases their respective limitations. The operator has increased situational awareness in low light, no light or obstructed conditions (fog/foliage) where image intensification is limited, but without sacrificing the identification capability of image intensification. The quick-connect interface allows you to mount and dismount the TICON in mere seconds. The unit can mount on to any night vision devices currently in operation, so there is no need to refit helmets for special equipment or purchase additional mountings – the TICON is ready for special operations right out of the box.

ADVANTAGES OF TICON

Compatible With Any
GSCI-made Night Vision System

Quick-Release Locking
Ring

Easy Access
Control Knob & Button

30.5° Field of View With 76%
Coverage of 40° IIT

640x512, 12µm FPA
Full Thermal, Hot Spot, Outline
and Pulse Modes

Adjustable Clamp, Fits All
Common Objective Lenses

Bright and Clear Image
With No FOV Obstruction

Built-In Light Sensor
Auto Brightness Adjustment

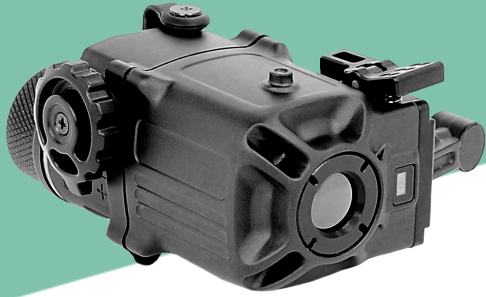
Compact CR123 Battery
and External Power Port

Lightweight and Compact
Attachment, 105 Grams



Designed, Developed, Manufactured by GSCI Advanced Photonics
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DISCLAIMER. Technical description, certain optical-electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual device and are subject to change without prior notice by the sole discretion of General Starlight Co., Inc. Mass of the product represents measurable weight of all components this product consists of, such as optics, mechanics, and electronics. Dimensions of the product represents measurable size of the body, including all optical components attached and in fully folded position. Dimensions of additions such as mounting brackets, eyecups, objective lens covers, and/or battery extensions may vary and therefore are not listed herein. Copyright © 1992-2023 General Starlight Co., Inc. Canada. All rights reserved.



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TECHNICAL SPECIFICATIONS

| | |
|--------------------------|--|
| FPA Type | Uncooled, VOx |
| FPA Resolution and Pitch | 640x512, 12µm |
| Optical Magnification | 1X |
| FOV with 40° IIT | 30,5° with 76% Coverage |
| Imaging Modes | Full Thermal (White-Hot), Hot Spot, Heat Outline, Pulse Mode |
| Power | 1pc 18650 or 1pc CR123 External Power Port 3 to 5.5V |
| Weight | 105 Grams |
| Dimensions | 80 x 34 x 34mm |
| Export | Non-ITAR: Available Worldwide (Canadian Export Permit Required. The GSCI provides assistance in the submission of an Export Licence application) |



FULL THERMAL



HOT SPOT



OUTLINE

WHAT'S IN THE BOX

| | |
|---|--|
| 1 | Thermal Imaging Clip-On |
| 2 | Front Lens Protective Cover |
| 3 | Battery Extended Compartment |
| 4 | Quick-Release Locking Ring |
| 5 | Soft Carrying Pouch |
| 6 | User Manual |
| 7 | Waterproof Hard Carrying Case |
| 8 | Universal Battery Charger (Batteries Not Included) |

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