

# TICO-640B

## THERMAL IMAGING CLIP-ON

Easily changes daytime scope to thermal imaging

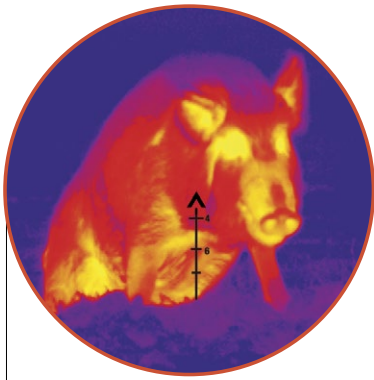
Mounts in front of daytime scope, no re-zeroing required

Video output

Resistant to all severe operating conditions

Lightweight and rugged

Comes with quick release mount



### • TICO WITH TRIJICON® ACOG

Representing the latest advancement in thermal imaging technology, the ATN TICO-Series thermal clip-on gives your daytime scope thermal imaging capability in a matter of seconds.

The ATN TICO-Series mounts in front of a daytime scope to enable thermal vision in day or nighttime operation. No shift of impact, no need to rezero nor change of eye relief occurs. The ATN TICO-Series uses advanced thermal technology for outstanding resolution and performance.

Precision optical alignment is essential for any front sight system to work properly. Therefore every ATN TICO-Series is individually tested and aligned to the highest tolerances to provide perfect alignment.

## SPECIFICATIONS

|  |   |
|--|---|
| <b>Model</b>   | <b>TICO-640</b>                                   |
| <b>Sensor (microbolometer)</b>                       | 640x512   |
| <b>Frame rate</b>                                    | 30 Hz   |
| <b>Material</b>                                      | VoX   |
| <b>Image size (output resolution)</b>                | 800x600 px  |
| <b>Video output</b>                                  | Digital NTSC / PAL                                |
| <b>Display</b>                                       | Color OLED matrix, SVGA< 800x600                  |
| <b>Thermal sensitivity</b>                           | <50 mK  |
| <b>Spectral response</b>                             | 7-14 $\mu$ m                                      |
| <b>Field of view (H x V)</b>                         | 9° x 7°   |
| <b>Optical magnification</b>                         | 1x  |
| <b>Pixel size</b>                                    | 17 $\mu$ m  |
| <b>Distance of human detection (w/o zoom)</b>        | 1100 m  |
| <b>Distance of human recognition (w/o zoom)</b>      | 400 m   |
| <b>Distance of human identification (w/o zoom)</b>   | 225 m   |
| <b>Distance of vehicle detection (w/o zoom)</b>      | 2425 m  |
| <b>Distance of vehicle recognition (w/o zoom)</b>    | 875 m   |
| <b>Distance of vehicle identification (w/o zoom)</b> | 525 m   |
| <b>Contrast adjustment</b>                           | Manual  |
| <b>Polarity control</b>                              | White hot / Black hot / Multiple Color Modes      |
| <b>Start-up time</b>                                 | <3 s  |
| <b>Waterproof</b>                                    | Waterproof / Dustproof                            |
| <b>Battery type</b>                                  | 2 x CR123A  |
| <b>Battery life</b>                                  | 4+ h  |
| <b>Mounting bracket</b>                              | MIL-STD 1913 Picatinny (Quick Detach)             |
| <b>Video output</b>                                  | Yes   |
| <b>Low battery indicator</b>                         | Yes   |
| <b>Iconology</b>                                     | Quick access via Icon driven feature controls     |
| <b>Housing</b>                                       | Aircraft Aluminum 6061 T6 w/hard anodized coating |
| <b>Objective lens</b>                                | 50 mm, full MIL SPEC, with DLC coating            |
| <b>Dimensions (with mount)</b>                       | 189 x 69 x 65 mm/7.45 x 2.7 x 2.56"               |
| <b>Weight</b>  | 0.64 kg / 1.45 lbs                                |
| <b>Warranty</b>                                      | 1 year  |

Export Warning: These products are subject to one or more of the export control laws and regulations of the U.S. Government. Pending the model these products are under the control jurisdiction of the US Department of State, the US Bureau of Industry and Security or the US Department of Commerce. Export without proper licensing or consent is strictly prohibited.