Thermal night vision

General information about ADTC-7031TN Thermal night vision:

ADTC-7031TN is a thermal weapon sight which is widely used for law enforcement. With shutter less technology, it can continuously detect heat of any targets against cooler background during day or night, especially in severe conditions such as total darkness, haze, dust, sleet, forest, grass, disguise and so on.

Also LRF is optional to assist automatic correction of ballistic.

Main Features:

- ✓ Shutterless Technology
- ✓ 50Hz Time Imaging,5s Instant-Start
- ✓ 384×288 FPA detector
- ✓ Various reticle settings with auto repeatable and dependable zero
- ✓ Advanced thermal image performance
- ✓ Optional: 600m laser range finder (realize automatic correction of ballistic)
- ✓ Compact size,lightweight,rugged design

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Technical specification of the device:

Detector Data:
- IR resolution:384×288 Asi
- Pixel pitch:17μm
- Spectral range:8~14μm
- NETD:<65mK
- Detector frequency:50HZ

Image Performance:
- Focus:42mm,F 1.0
- FOV:8.8°×5.7°
- Detection （Human）:1500m
- Recognition （Human）:380m
- Brightness/contrast:Manual
- Electronic zoom:2X
- Detection palettes:Black hot / White hot
- Video output:PAL
- Eye relief:48mm
- Diopter:-6~+2D

System Features:
- Displayer:768×480 OLED
- Reticle color:White/Black/Red/Green(optional)
- Reticle type:6 Reticle types (customizable)
- Picatinny rail:MIL-STD 1913 Picatinny Rail
- Startup:5s(contain boot screen)
- Operating time:>6~7hrs(Normal Temp)
- Battery:4pcs AA rechargeable batteries

Interface:
- Mode:2pcs waterproof aviation hole

Environmental Data:
- Operating temperature range:-20℃ ~ +50℃
- Storage temperature range:-40℃ ~ +70℃
- Shock/Vibration:MIL-STD-810F(Add live firing 2000 rounds)
- Encapsulation:IP67

Physical Data:

- Weight:(w/batteries,w/o picatinny rail) <1.0kg
- Size (L x W x H):175mmx 67mm x 69mm (without LRF)

Packing:

- Standard:Thermal imaging sight, 4pcs AA batteries, Charger,Composite cable,Picatinny rail , Warranty card, User manual, Transportation case ,LRF(optional)