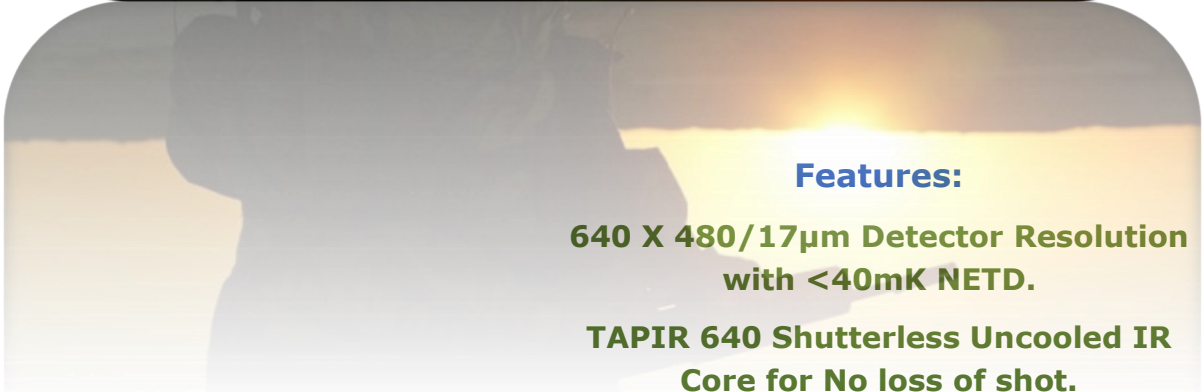


# CrosswIR640

Stand—Alone or Clip-On  
TWS

for  
Combat Weapon, Rifles & Machine Guns



## Features:

640 X 480/17 $\mu$ m Detector Resolution  
with <40mK NETD.

TAPIR 640 Shutterless Uncooled IR  
Core for No loss of shot.

Featuring SmartCal™ Technology.  
Smooth Zoom with no loss of boresight.  
Zeroing Accuracy to 1/8th of an MOA.

Latest ULIS Gen2 TWS qualified  
Detector for Maximum Performance and  
Exportability.

No US ITAR Restrictions





The CrosswIR640 is a tough dependable no nonsense Thermal Weapon Sight, that brings innovation and solution to the battlefield.

The CrosswIR640 is designed to be used as a stand alone or as a Clip-on (in front of conventional day sight) TWS.

The CrosswIR640 employs the TAPIR 640 advanced shutterless engine core that ensures no loss of shot.

### Unique Features.

SmartCal™ Technology - NUC & Dead Pixel replacement.  
Fast No Button start—just open the lens cover.

Smooth X2 ,X4 & X8 Digital Zoom without loss of boresight.

Choice of Selectable Reticules (custom designed to your requirements).

Twin Reticule "one-shot" Zeroing.

Auto image orientation.

Simple to use GUI

### Technical Specifications

Detector	Ulis ASi Gen2 640x480/17µm (TWS qualified)
NETD	<40mK
Lens/FoV	Manual Focus 52mm f/1.2 - 12° x 9 °
Smooth Zoom	X2 ,X4 & X8 (without loss of boresight)
Power Supply	2 x CR123
Operating Time	>6 Hours
Display	Single 800 x 600 OLED
Reticules	Selectable choice of 4 (customer defined)
Boresight Adjustment	Azimuth & Elevation (Accuracy to 1/8th MoA)
Video Out put	PAL/NTSC STANAG 3350 Compliant
Dimensions (mm)	250 x 60 x 60
Weight	<950 gms (with mount and batteries)
Operating Temp.	-40°C to +55°C
Sealing	IP67
Certification	MIL-STD 810G & MIL-STD 461 Compliant

### Options:

Optional Dual use eyepiece  
(Stand alone and Clip-on).  
Red Dot Sight  
Custom Graphics  
Custom Lens Options  
Built-in Compass  
AutoCovert™  
TapIR384—384 x 288/17µm/  
<50Mk (NETD) engine core  
(same performance ranges but narrower FoV).

### Performance

Man: D,R & I (M)\* 1843/461/230  
Vehicle: (M)\* 5234/1308/654

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