



Trijicon TANS (Thermal Advanced Night Sight) Trijicon ATWS™ (Advanced Thermal Weapon Sight)



Now darkness is an advantage, not a hindrance. When you have the Trijicon TANS or the new Trijicon ATWS™ mounted to your weapon, they can run—but they can't hide.

Designed for military and law enforcement applications, the new ATWS delivers crisp imaging through total darkness, fog, smoke, or dust; while the TANS optimizes target acquisition in low-light conditions.

INNOVATIVE

The new Trijicon ATWS is a long-wave thermal imaging sensor that mounts in front of magnified optics like the Trijicon ACOG.

With a 7° FOV (field of view) and 1x magnification, the new ATWS perfectly matches the FOV and magnification of the ACOG 4x32.

This allows shooters to maintain the FOV and 4x magnification of the target viewed through the ACOG – without altering the effectiveness of the bullet-drop compensator, battlesight zero, point of aim, and point of impact.

The TANS also mounts in front of an ACOG, maintaining boresight — allowing rapid aiming from a normal shooting position. It houses a fast catadioptric lens that collects the maximum amount of starlight for a brighter, sharper image.

VERSATILE

The ATWS also offers a 14° FOV with 0.5x magnification for an ATWS/ACOG system magnification of 2x, allowing for greater situational awareness. When a target is identified, the shooter can switch to a 7° FOV and engage.

Thermal contrasting is equally as versatile. A well-positioned button allows shooters to quickly toggle between white=hot and black=hot imaging— without the need for them to remove their hands from the firearm's fore-end.

PRACTICAL

The Trijicon TANS is manufactured with a combat-strong aluminum housing, and features a field-replaceable power pack designed to fulfill mission requirements on either one CR123 or two AA batteries.

The ATWS is encased in a rugged, military grade magnesium housing and powered by four CR123 lithium batteries in a modular cartridge that can be readily replaced with one hand, without the need for tools.



Model TANS-US



Model ATWS-US

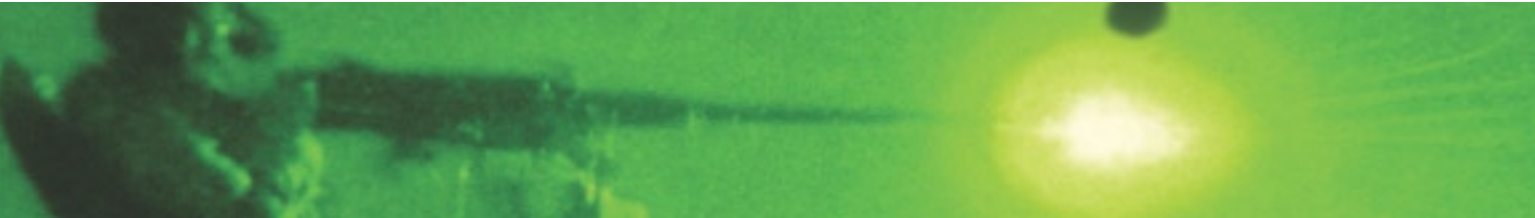
UNIQUE

The Trijicon ATWS provides the smallest size, lightest weight and highest resolution (640 x 480 pixels) of any small-arms mounted thermal weapon sight in the world—all significant advantages in the field.



Trijicon TANS

(Tactical Advanced NightVision System)



A Clear Advantage for Those Who Go In Harm's Way

For the first time, the new Trijicon TANS® (Tactical Advanced NightVision System) gives military users and law enforcement officers a night vision unit that is compact, rugged and easy to use. It's also highly effective.

Designed for use with existing day scopes and made with a low, 1.5-inch optical centerline that's free from parallax errors, TANS optimizes target acquisition in close quarter battles during low-light conditions.

Readily installed on MIL-STD 1913 rails maintaining day scope boresight, TANS permits fast aiming proficiency from normal shooting positions.

Compact, universal, high-resolution, permanently aligned night vision sight for use with existing day scopes.

Optimized for close combat assault rifles including the M4, M16, SCAR-L, HK416 and AK47*.

Fast f/0.9 Catadioptric Lens provides a brighter and sharper image in starlight.

Shock mitigation system (SMS™) integrated to offer additional protection to the P tube used with high recoil weapons platforms.



TANS

Features a field-replaceable modular power pack system.

Large 33mm output optic fully fills most day scope objectives, producing a brighter output image and maintaining the full exit pupil diameter at the eye

Low 1.5 in. optical centerline does not alter day sight centerline (sighting system is free from parallax errors)

Installs and removes without affecting boresight, eliminating the need for sight zero adjustment

TRIJICON TANS Temperature Compensated Low Battery Indicator:

The view through the dayscope will change from the normal green to red when the battery power becomes low.



Normal view through the dayscope



Low Battery indication as viewed through the dayscope

Modular Power Pack System

TANS features a modular power pack system that is field-replaceable and accommodates both AA and CR-123 power cells. This system will also accommodate a single AA battery.



2 AA Cell Configuration



1 CR-123 Cell Configuration

*TANS available to Government Municipalities only.




Trijicon TANS

Model Specifications

Model	TANS-US GEN 3 AUTOGATED	TANS-NATO INTERNATIONAL 1600	TANS-EX INTERNATIONAL 1250
Image Intensifier (I2)	Autogated Pinnacle, USA only	Gen 3: FOM 1600	Gen 3: 1250 FOM
Boresight Accuracy	1/2 MOA or better	1/2 MOA or better	1/2 MOA or better
Boresite Retention Period	Permanent to within 1 MOA or better	Permanent to within 1 MOA or better	Permanent to within 1 MOA or better
Boresight Adjustments	None required	None required	None required
Boresight Repeatability	Within 1/2 MOA	Within 1/2 MOA	Within 1/2 MOA
Magnification	Unity	Unity	Unity
Optimum Dayscope Magnification	1x – 8x	1x – 8x	1x – 8x
Field of View	14°	14°	14°
Focus Range	3 meters – infinity	3 meters – infinity	3 meters – infinity
Image Intensifier Gain	1,000 – 75,000	1,000 – 75,000	1,000 – 75,000
Resolution (Minimum)	2.5 cy/mr	2.5 cy/mr	2.5 cy/mr
Resolution (Typical)	2.9 cy/mr	2.9 cy/mr	2.9 cy/mr
Facial ID Range, Low – Optimum	Starlight: 65 – 90 meters	Starlight: 60 – 85 meters	Starlight: 55 – 80 meters
Contrast – (6 cycles resolved across 0.2m)	1/4 Moon: 90 – 105 meters	1/4 Moon: 85 – 105 meters	1/4 Moon: 80 – 100 meters
Man Det. Range, Low – Optimum	Starlight: 640 – 880 meters	Starlight: 590 – 840 meters	Starlight: 550 – 800 meters
Contrast – (1.5 cycles resolved across 0.8m)	1/4 Moon: 880 – 1070 meters	1/4 Moon: 850 – 1050 meters	1/4 Moon: 810 – 1010 meters

Trijicon TANS

(Tactical Advanced NightVision System)

Model	TANS-US GEN 3 AUTOGATED	TANS-NATO INTERNATIONAL 1600	TANS-EX INTERNATIONAL 1250
Objective Lens Focal Length	50mm	50mm	50mm
Objective Lens f/number	f / 0.9	f / 0.9	f / 0.9
Output Optic Exit Pupil Diameter	33mm	33mm	33mm
Weight (without batteries)	24 oz.	24 oz.	24 oz.
Length	6 in.	6 in.	6 in.
Maximum Height Above Rail	3.0 in. (M4 style)	3.0 in. (M4 style)	3.0 in. (M4 style)
Controls	On/Off/Gain, Rear-mounted focus	On/Off/Gain, Rear-mounted focus	On/Off/Gain, Rear-mounted focus Batteries
Battery Life	2 AA Cells: >56 hrs. @ 25°C or 1 CR123 Cell: >38 hrs. @ 25°C	2 AA Cells: >56 hrs. @ 25°C or 1 CR123 Cell: >38 hrs. @ 25°C	2 AA Cells: >56 hrs. @ 25°C or 1 CR123 Cell: >38 hrs. @ 25°C
Weapon Interface (to MIL-STD 1913 rail)	Single-lever locking	Single-lever locking	Single-lever locking
Operating Temperature Range	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Typical Platforms	Close-combat assault rifles, including M4, M16, HK416, AK47*	Close-combat assault rifles, including M4, M16, HK416, AK47*	Close-combat assault rifles, including M4, M16, HK416, AK47*
Weapon Interface	MIL-STD 1913	MIL-STD 1913	MIL-STD 1913
Submersion	66 feet for 2 hours	66 feet for 2 hours	66 feet for 2 hours
			

*Contact customer service for platform compatibility. Requires a MIL-STD 1913 rail interface forward of the day sight.
Export of this product is regulated by the US Department of State in accordance with guidelines of “International Traffic Arms Regulation (ITAR)” per Title 22, Code of Federal Regulations, Parts 121-128. For regulation details, please contact contract administration 1-800-338-0563 or email contractadministration@trijicon.com

