



*Sustaining Global
Defence Productions*



**Sustaining
Defence Production,
and
enhancing transfer
of technology.**

Binoculars





**Provide the best of
DICON D7G Company
Arms Industry,
Stocks and Production**

Security

TIMSAH T360S/T375S

Thermal Weapon Sight

- NEW GENERATION UNCOOLED THERMAL SIGHT
- 8-12 μm WAVELENGTH
- DIFFERENT OBJECTIVE ALTERNATIVES
- WIRELESS HEAD-UP DISPLAY (OPTIONAL)
- ERGONOMIC
- COMPACT & LIGHT

Applications

- Night Shooting & Marksmanship
- Observation & Surveillance

Main Features

- Automatic Image Optimization
- Image Recording and Playback
- Polarity Options
- Wireless Head-up Display (Optional)
- Ballistic Reticle
- Light Proof Eyecup
- Rugged Design
- Rechargeable Li-Ion Battery

Environmental Conditions

- Operating Temperature : -32°C / +50°C
- Storage Temperature : -40°C / +65°C
- Water Resistant : 1 m, 30 min
- Environmental Spec : MIL-STD-810 G

Standard Accessories

- Eyecup
- Carrying Case
- Transportation Case
- Objective Cover
- Optical Cleaning Kit

Optional Accessories

- Wireless Head-Up Display
- Solar Charger
- IR Pointer
- Laser Zeroing Device

Technical Specifications

- Operation Wavelength : 8-12 μm (LWIR)
- Detector Type : Uncooled
- Detector Resolution : 640 x 480
- Detector NETD : Max. 50 mK
- Video Format : PAL
- Color Reticle : Available
- Image/Video Storage : Available
- Internal Memory : Available (32GB)
- Tilt Sensor : Optional
- Ammo Counter : Optional
- Battery : Li-Ion (re-chargable)
- Operation Time : 8 hours

Field of View	10.3° x 7.7°	8.3° x 6.2°
Magnification	x2.2	x2.8
Electronic Zoom	x2, x4	x2, x4
Weight (w/o battery & accessories)	780 g	1010 g
Dimension (WXLXH)	85x230x82mm	100x260x100mm



ACAR-K

Surveillance Radar Series

Overview

ACAR-K Surveillance Radar Series is designed and developed for detecting, tracking and classifying targets moving on the ground at day and night in all weather conditions.

Technical Features

- Operating Frequency : Ku-Band
- Adjustable Sector Width : 10° - 360°
- Antenna Elevation Tilt : +/- 24°
- Antenna Rotation Speed : 4 rpm / 15 rpm
- Instrumented Range : 15 km / 40 km
- Elevation Coverage (ACAR-K44) : 4°
(ACAR-K1015) : 10°
- Compliance with MIL-STD-810G and MIL-STD-461F

Applications

- Homeland Security
- Border Surveillance
- Battlefield Surveillance
- Mobile Applications
- Artillery Fire Adjustment

General Features

- Advanced Digital Signal Processing (DSP) Techniques
- Ku-band Pulsed Doppler Radar with Pulse Compression
- Track-While-Scan (TWS) in Surveillance Mode
- Multi-target Tracking
- Automatic Track Classification
- Low Output Power for Low Probability of Intercept (LPI)
- B-Scope or PPI Display
- Digital Map Overlay
- Remote Control
- High Accuracy and Resolution
- 360° Continuous or Sector Scanning
- Selectable Range Scales
- User Defined Alarm and Friendly Zone Selection
- Built In Test (BITE)

System Units and Accessories

Main Units

- Sensor Unit
- Antenna Unit
- Control Display Unit

Accessories

- Tripod
- Headphones
- North Calibration Unit

Auxiliary Units

- Interconnection Cables
- AC / DC Converter
- Battery Pack
- Carrying Case



NOVA A341/A361

Night Vision Weapon Sight

- 4X/6X MAGNIFICATION
- HIGH PERFORMANCE AT LOW LIGHT LEVELS
- GEN2+ / GEN3 HIGH PERFORMANCE IMAGE INTENSIFIER
- ERGONOMIC & RUGGED DESIGN
- COMPACT & LIGHTWEIGHT



Applications

- Night Shooting & Marksmanship
- Observation & Surveillance
- Rapid & Accurate Firing

Environmental Conditions

- Operating Temperature : -51°C / +51°C
- Storage Temperature : -51°C / +65°C
- Water Resistant : 1 m for 30 min.
- Environmental Spec : MIL-STD-810G

Main Features

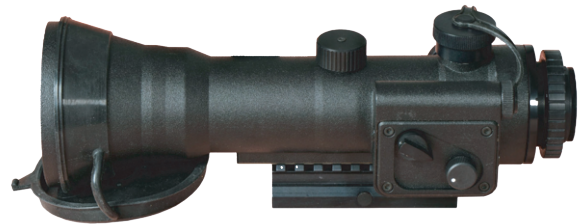
- A341: 4X Magnification
- A361: 6X Magnification
- Adjustable Diopter
- Single AA Battery Operated
- Reticle and Reticle Adjustment Options
- Reticle Brightness Adjustment
- Mounting Adapters for Various Weapons
- STANAG 4694 (MIL-STD-1913) Compatible Weapon Adapter

Standard Accessories

- Eyecup
- Carrying Case
- Transportation Case
- Objective & Eyepiece Covers
- Optical Cleaning Kit

Optional Accessories

- Laser Pointer
- IR illuminator
- Mounting Adapter for Various Weapons



Technical Specifications	A341	A361
Magnification	4x	6x
Field of View	10°	6.3°
Eye Relief	25 mm	25 mm
Diopter Adjusment	6 /+2	-6 /+2
Reticle	Duplex/ Mil-Dot/Custom Design	Duplex/ Mil-Dot/Custom Design
Reticle Adjustment	1.5 cm @ 100 m	1cm @ 100 m
Battery	1xAA 1.5 VDC	1xAA 1.5 VDC
Weight (w/o battery & accessories)	1200 grams	1380 grams

AYA TS100

Multifunctional Thermal Monocular

Usage Areas

- Day/Night Surveillance
- Optimized for Multiple Usage Modes
- Handheld, Weapon Mounted and Helmet-Mounted Usability
- Situational Awareness
- Search and Rescue

Key Features

- Automatic Image Calibration
- High Resolution and Color OLED
- Different Color Palette Options
- Automatic Display Mode
- Diopter Adjustment
- Athermalized Fixed Focus
- User Friendly Easy Menu
- Wi-Fi
- Internal Infrared Laser Pointer
- Compatible MIL-STD-810G
- Image and Video Recording
- Media Gallery

Technical Specifications

- | | |
|-----------------------------|---|
| ● Detector | : 320x240 12 μ m Uncooled Micro-Bolometer |
| ● Field of View | : 12.2° x 9.2° ($\pm 10\%$) |
| ● Electronic Magnification | : Up to 4X (Continuous) |
| ● Screen | : 1024 x 768 Resolution and Color OLED |
| ● Reticle | : Laser Target Pointer |
| ● Diopter | : -6 / +2 |
| ● IR Pointer | : Internal 830 ± 20 nm |
| ● Battery | : 1 X Li-on Re-chargeable (Li-on 18500) |
| ● Continuous Operation Time | : ≤ 4 hours |
| ● Dimensions | : 160mm x 60mm x 60mm |
| ● Weight | : ≤ 290 g |

Standard Accessories

- Eye Cup
- Lens Cover
- Battery (18500 Li-on)
- Carrying Case
- Optical Cleaning Kit
- Battery Charger

Environmental Conditions

- | | |
|-------------------------|-----------------|
| ● Operation Temperature | : -20°C / +50°C |
| ● Storage Temperature | : -40°C / +65°C |
| ● Immersion | : 1m / 30 min. |

Optional Accessories

- Helmet Mount Adapter



Hand-Held Electro-Optic Sensor

- HIGH RESOLUTION MID-WAVE SENSOR
- CONTINUOUS ZOOM (IR AND DAY)
- INTEGRATED LRF, DMC AND GPS
- DATA AND IMAGE STORAGE
- MIL-STD-810G QUALIFIED
- COMBAT PROVEN DESIGN
- COMPACT AND RUGGED DESIGN

Applications

- Border Surveillance
- Reconnaissance
- Fire Support
- Situational Awareness
- Special Forces
- Law Enforcement

Main Features

- Polarity: Black-hot, White-hot, color palettes
- Motorized focus, FOV and zoom adjustment
- Automatic image optimization and image enhancement
- Real time calculation of target coordinates
- Target coordinate transmission via radio
- Data and image storage
- Easy battery change
- Shuttered eyecups
- High resolution OLED display

Optional Accessories

- Pirate – Head Mounted Display
- Motorized Pan-Tilt
- Remote Control Unit
- 1.5x Magnifier Objective
- Goniometer
- Sun Shield



Standard Accessories

- Tripod with Manual Adjustment Unit
- External Video Cable
- Rechargeable Batteries
- Battery Charger
- External AC/DC Adapter
- Eyecup
- Lens Cover
- Optical Cleaning Kit
- Carrying Case
- Transportation Case

Technical Specifications

Thermal Imager

- Sensor : 640x512 MWIR (3-5 μ m)
- Cool-down Time : <7 min.
- Field of View
 - WFOV : 16.8° x 13.5°
 - MFOV : 6° x 4.8°
 - NFOV : 2° x 1.6°
 - Continuous : from NFOV to WFOV
- E-Zoom : 2x

Laser Range Finder

- Laser Type : Class 1, Eye Safe, 1.54 μ m
- Range : <20 km
- Accuracy : 5m rms

Color TV

- Sensor : 1920 x 1080 Full HD CMOS
- Field of View
 - WFOV : 16.8° x 12.6°
 - MFOV : 6° x 4.5°
 - NFOV : 2° x 1.5°
 - Continuous : from NFOV to WFOV
- E-Zoom : 12x

Digital Magnetic Compass

- Accuracy : 1° rms

GPS

- Accuracy : 15 rms

Physical

- Weight : ≤ 4.2 kg (with battery)
- Battery Life : ≥ 4 hours
- Dimensions : 275 mm x 270 mm x 125 mm

Environmental Conditions

- Operating Temperature : -32°C to +55°C
- Storage Temperature : -40°C to +65°C
- Environmental Spec : MIL-STD-810G



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