OPTIX
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www.optixco.com

OPTIX PRODUCTION CAPABILITIES

PRODUCTS & SOLUTIONS

Company Presentation






The Different Company

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OPTIX designs, produces and markets its own series of thermal imaging and night vision devices, day scopes and integrated systems for strategic surveillance and security.
The company offers innovative solutions for the sectors of:





- Defense
- Security
- Medicine
- Machine vision
- Sport's hunting optics
- Nature protection
- Space
- Robotics



Production Facilities

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Optical Production



R&D, Assembly, Testing



2023-2024 transfer production in a new facility, 7 000 m².



Optical Production



Mechanical production plant

Sofia

Panagyurishte

Plovdiv



SMT factory for electronic components

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Production Capabilities

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Custom IR Optics



Custom Glass Optics



Optical coatings



Mechanical production



Measurement Testing



SMT Solutions

Our team:

The most valuable asset



550 employees (more than **1000** in the company group)

86 engineers (R&D team working on **5+** new products per year)

Marketing and Sales teams close to the customer

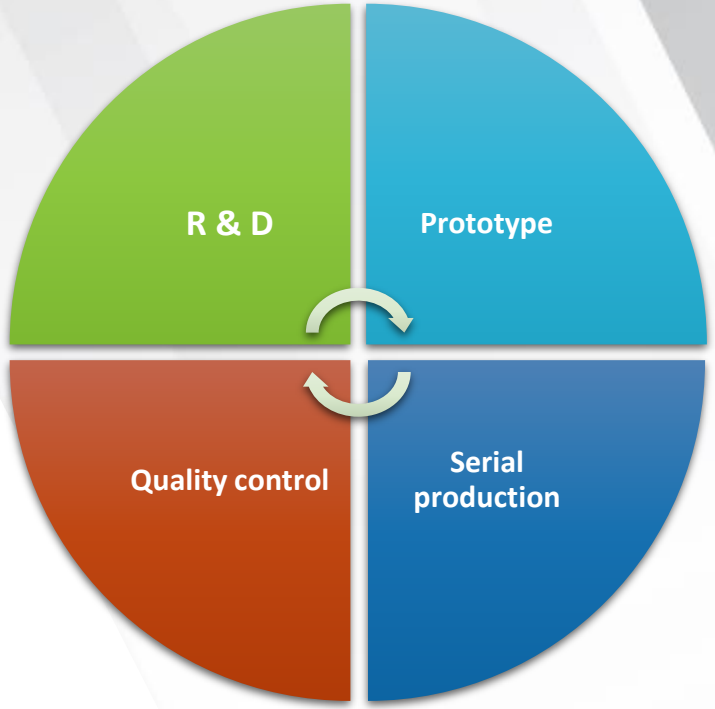
Dedicated Customer Support

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Our DNA

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- Successful Partnerships
- Complete production cycle
- Motivated R&D, PM, Marketing and Sales teams
- Company of processes
- EU producer & NATO supplier



AQ CERT QMS ISO 9001:2015
AQ CERT EMS ISO 14001:2015
AQ CERT ISMS EN ISO/IEC 27001:2017
AQ CERT OHSMS ISO 45001:2018

AQAP 2110

- ITAR-Free
- EU producer
- NCAGE code 001BU

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Our Product Mission

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"Design and manufacturing of innovative, competitive products and solutions with long market life, focused on the present and future needs of the customers and with quality based on their comments and feedback. The main goal of the process is to ensure ours and our partners' business growth and prosperity."





HOW WE DO IT:

- **Listen to our partners**
- **Teamwork**
- **Ask for feedback**
- **Learn & improve**
- **Provide flexible custom solutions**

WHY WE DO IT:

- **To identify the needs**
- **To ensure our future business**
- **To ensure end-user satisfaction**
- **To ensure our products' quality**
- **To create opportunities**

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OEM Solutions

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OEM Solutions

OEM Products

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Thermal Cameras



HeatseekIR Series
Cooled thermal cameras



Goliath 225
Uncooled thermal camera



Minion Series
Uncooled thermal cameras

Day Cameras



DayBreaker 860/1260
HD day cameras



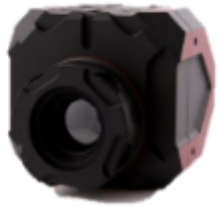
DayBreaker 300/500
HD day cameras

Pan-Tilts



Panoramix 360
Pan-tilt unit
Standard and Lite variants

Other Camera Kits



Minion L
Uncooled thermal camera for drones



Minion R/RDE
Uncooled rugged thermal cameras for armored vehicles

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OEM Solutions

OEM Systems

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OPTIX Guard G225

Medium range surveillance system

- Uncooled thermal camera Goliath 225
- Day camera OPTIX Daybreaker 300/500
- Pan-Tilt unit OPITX Panoramix 360 ST
- Integrated LRF/DMC/GPS



OPTIX Guard HS

Long range surveillance system

- Cooled thermal camera HeatseekIR L/M/H
- Day camera OPTIX Daybreaker 860/1260
- Pan-Tilt unit OPITX Panoramix 360 ST
- Integrated LRF/DMC/GPS



OPTIX IdentiFIRE

Early fire detection system

- Uncooled thermal camera Minion F67
- Day camera OPTIX Daybreaker 300
- Pan-Tilt unit OPITX Panoramix Lite
- Integrated LRF

OEM Solutions

NEW OEM Systems

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MS ONE

Compact Cooled long-range surveillance system



Day Color Camera	Pan-Tilt Unit	Cooled Thermal Imaging Camera	Laser Rangefinder
DayBreaker 500	Panoramix 360° Standard	HeatseekIR L	OPTIX LRF 10

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Mobile & Deployable

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Mobile & Deployable

Projects

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Mobile systems with detachable rapid deployable surveillance equipment

Including:

- Multi-sensors
- Radars
- Software C2



Mobile systems for surveillance and reconnaissance

Including:

- Multi-sensors
- Radars
- Anti-drone systems
- Software C2



Rapid deployable systems

Including:

- Cooled/uncooled multi-sensors
- Radars
- Anti-drone systems
- Autonomous power
- Software C2



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Flexible

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Flexible

We identify the needs and solve problems

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Manufacturing

- Own OEM thermal imaging cameras
- Own OEM Day color cameras
- Own OEM Pan-tilt units
- Own OEM Systems



PM and Design

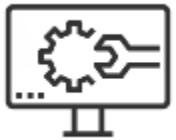
- Ready concepts and designs
- Tailored solutions
- Advisory experts
- Improvements and optimization



Construction and Installation

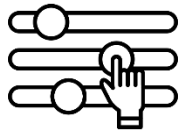
Full service for:

- Construction
- Integration
- Installation
- Additional services



Set-up and launch

- Set-up and system initiation
- Custom adjustments according to the infrastructure and requirements



Training

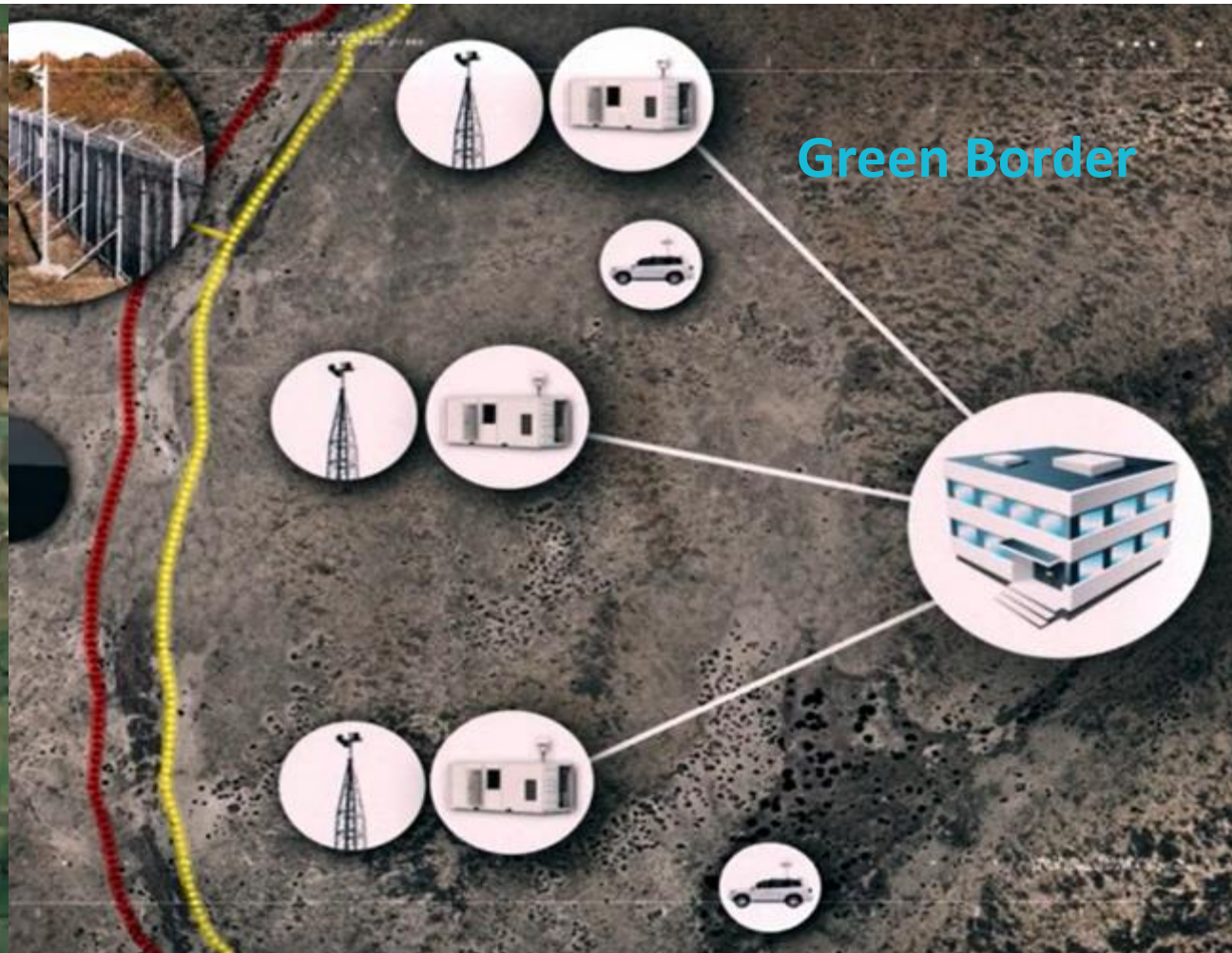
- System structure and components
- Safe and effective operation
- Troubleshooting and basic maintenance

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Flexible
Border Projects

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Flexible

Custom Projects and additional services

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- Design and construction of communication infrastructure
- Building IT infrastructure
- Recording and archiving of information
- Fire and other alarms
- Access control
- Sound and light notification
- Sound systems









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Flexible

C-UAS Multi-Layer and Complex Systems

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Multisensor system
MS Guard 25-225



Multisensor System
MS ONE



Omnidirectional RF scanner
and Jammer Guard C-UAS



3D E-Scan radar for aerial
and land observation



Directional RF jammer
Drone Blaster



OPTIX Guard C-UAS Software

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Flexible

C-UAS Concepts

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Stationary/ Rapid deployable C-UAS System

- Radar
- Optronics
- Jammer
- RF Scanner

Mobile C-UAS System

- Optronics
- RF Scanner
- Jammer

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Personal Observation Equipment

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Application

- Field observation and patrolling
- Field reconnaissance
- Combat operations
- Driving vehicles



- **TTNVG**
  Night vision goggles (Twin Tube)

Main Advantages

+ Ultra light and compact
+ Ultra wide field of view
+ Independent channel flip
+ Helmet mount
+ High water immersion



- **NVM P-43**
  Night vision monocular

Main Advantages

+ Ultra light and compact
+ Wide field of view
+ Bi-ocular use
+ Helmet mount
+ High water immersion



- **DIANA**
  Night vision goggles

Main Advantages

+ Ultra light and compact
+ Ultra wide filed of view
+ Additional magnifiers available
+ Helmet mount
+ Rugged and waterproof

OPTIX
THE EYES YOU TRUST

Flexible

Personal Observation Equipment

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Application

- Field observation and patrolling
- Field reconnaissance
- Combat operations



- Diana 3x
  Night vision binocular

Main Advantages

+ Lightweight construction
+ 75mm objective's focal length
+ Mountable on a tripod



- Diana 5x
  Night vision binocular

Main Advantages

+ Lightweight construction
+ 125mm objective's focal length
+ Mountable on a tripod



- Diana 6x/10x
  Night vision binocular

Main Advantages

+ Lightweight construction
+ 144mm/240mm objective's focal length
+ Mountable on a tripod

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Flexible

Personal Observation Equipment

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Application

- Border surveillance
- Prolonged observation and reconnaissance
- Tactical and strategic surveillance
- Target acquisition



Bidentifier 75 MS (Multisenor)

Main Advantages

- \+ A-Core inside 640x480 12µm
- \+ UHD 4k Day channel
- \+ Integrated GPS & DMC
- \+ LRF, LP
- \+ Wi-Fi connectivity and streaming
- \+ Remote control and visualization
- \+ Target Lock function



Bidentifier 75/100 E LRF

Main Advantages

- \+ 640x480 17µm/640x480 12µm
- \+ Image & Video recording
- \+ Integrated GPS & DMC
- \+ LRF
- \+ Wi-Fi connectivity and streaming
- \+ Remote control and visualization
- \+ Target Lock function



Bidentifier 275/ 275 MS (Multisenor)

Main Advantages

- \+ Cooled detector MWIR 640x512 15µm
- \+ UHD 4k Day channel
- \+ Integrated GPS & DMC
- \+ LRF, LP
- \+ Wi-Fi connectivity and streaming
- \+ Remote control and visualization
- \+ Target Lock function

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Thermal and Night Vision Clip-ons for Assault Rifles

www.optixco.com



Application

- CQB
- Target acquisition and fire control
- Tactical and strategic surveillance
- Field reconnaissance



- Thermal imaging multifunctional devices **FlipIR**

Main Advantages

+ Compact & Lightweight
+ FTS mount
+ Multifunctional
+ Clip-on/Monocular mode
+ Suitable for all AR and DMR platforms



- Thermal imaging multifunctional devices **Diana IR TCO**

Main Advantages

+ Compact & Lightweight
+ Multifunctional
+ Clip-on /Sight/Monocular mode
+ Video output
+ Suitable for all AR and DMR platforms



- Night vision clip-ons **NVA 75**

Main Advantages

+ Compact & Lightweight
+ All 18mm IITs compatible
+ Suitable for all AR and DMR platforms

OPTIX
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Flexible

Thermal and Night Vision Clip-ons for Sniper Rifles

www.optixco.com



Application

- Long-range sniper shooting
- Target acquisition and fire control
- Tactical and strategic surveillance
- Field reconnaissance



Thermal imaging clip-ons ZIR

Main Advantages

+ 100mm objective for long-range shooting
+ Integrated leveler for precise shooting
+ Remote focus adjustment on the back
+ Video output
+ Suitable for all heavy caliber sniper rifles, including .50BMG and .338 Lapua magnum



Night vision clip-ons NVA10

Main Advantages

+ 100mm objective for long-range shooting
+ All 18mm IITs compatible
+ Remote focus adjustment on the back
+ Suitable for all heavy caliber sniper rifles

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Flexible

Thermal and Night Vision Scopes for Assault Rifles

www.optixco.com



Application

- CQB
- Target acquisition and fire control
- Tactical and strategic surveillance
- Field reconnaissance





Series thermal imaging scopes DIANA IR 35/50

Main Advantages

+ Compact & Lightweight
+ Multifunctional
+ Zeroing Profiles
+ Different Reticle Patterns
+ Video output
+ Suitable for all AR and DMR platforms





Night vision scope ONS 3/4L

Main Advantages

+ Compact & Lightweight
+ All 18mm IITs compatible
+ Illuminated reticle
+ Suitable for all AR and DMR platforms

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Flexible

Thermal and Night Vision Scopes for Sniper Rifles

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Application

- Long-range sniper shooting
- Target acquisition and fire control
- Tactical and strategic surveillance
- Field reconnaissance



Thermal Imaging Scope ShootIR

Main Advantages

+ Design following the function
+ Zeroing Profiles
+ Different Reticle Patterns
+ Integrated GPS & DMC
+ Image & Video recording
+ Wi Fi Streaming & Control
+ LRF add-on



Thermal Imaging Scopes IdentifieR 60/75

Main Advantages

+ Rugged and Sturdy
+ Zeroing Profiles
+ Different Reticle Patterns
+ Video output
+ LRF add-on
+ Suitable for all heavy caliber sniper rifles



Optical Night Scope ONS 6

Main Advantages

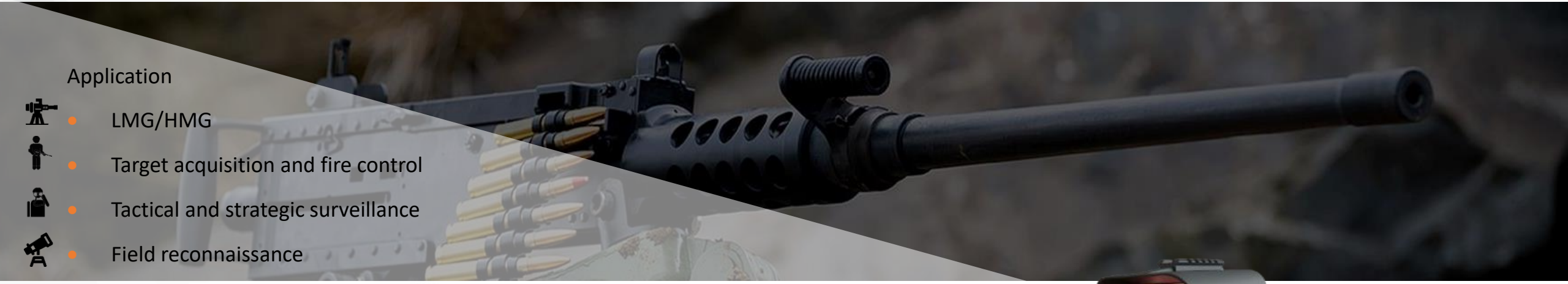
+ All 18mm IITs compatible
+ 160mm focal length
+ Illuminated reticle
+ Suitable for all DMR and sniper platforms

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Flexible

Thermal and Day Scopes for Machine Guns

www.optixco.com



Application

- LMG/HMG
- Target acquisition and fire control
- Tactical and strategic surveillance
- Field reconnaissance



Thermal Imaging Scopes **Identifier 100**

Main Advantages

+ Rugged and Sturdy
+ Zeroing Profiles
+ Different Reticle Patterns
+ Video output
+ LRF add-on
+ HMD helmet mounted display
+ Suitable for all LMGs and HMGs



Red dot sights for HMG **MK-HAW**

Main Advantages

+ Rugged and Sturdy
+ Extra wide FOV
+ Different Reticle Patterns
+ Suitable for all LMGs and HMGs
+ Suitable for platform mounted weapons on armored vehicles

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Flexible

Thermal and Day Scopes for RPG 7

www.optixco.com



Application

- Designed for RPG – 7
- Target acquisition and fire control
- Tactical and strategic surveillance
- Field reconnaissance



Series thermal scopes for RPG Pagot 25/35

Main Advantages

+ Designed for RPG-7
+ Rugged and Sturdy
+ Ballistic calculator
+ Compact & Lightweight
+ Zeroing Profiles
+ Different reticle designs



Series day scopes for RPG PGO 7V/7VU

Main Advantages

+ Designed for RPG-7
+ Rugged and Sturdy
+ Ballistic correction mechanism
+ Compact & Lightweight



Night vision clip-on NVA 20 + PGO 7V/7VU

Main Advantages

+ Designed for RPG-7
+ Rugged and Sturdy
+ Ballistic correction mechanism
+ Compact & Lightweight
+ Suitable for day and night operations

Contact Us

www.optixco.com

OPTIX JSC
Zahari Stoyanov Str., 65
4500, Panagyurishte, Bulgaria
Web: www.optixco.com
E-mail: optix@optixco.com
Tel: 0357 6 41 25
Fax: 0357 6 3097

THANK YOU!

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