SECTION 1
ABOUT OPTIX
MANUFACTURING, DESIGN AND TESTING OF:

- Optical components, opto-mechanical and opto-electronic assemblies
- Thermal imaging, night vision and day observation and sighting devices with civil and defence application
- Integrated systems for monitoring and protection of border areas and strategic objects, critical infrastructure
OUR PRODUCTS

OPTICAL PRODUCTION
Optical crystals, Laser substrates and Objectives for IR and UV spectrum, Spherical/Aspherical optics, Flat optics, Optical coatings, Assemblies, Optical blanks

OPTRONICS
Thermal imaging devices, Night vision observation devices, Night vision sights and attachments, day sights

INTEGRATED SYSTEMS
Stationary / Mobile Multisensor surveillance systems, Future soldier solutions, Thermal imaging and colour cameras, Pan tilt heads, Software
1998
OPTIX was established
100% private company

1999
Production started
On the 5th of February the first optical component was produced

2000
Spherical and Micro-optics
New production facility

2002
ISO 9001:2000 Certification
Night vision goggles DIANA were certified by the Bulgarian MoD

2004
Joint venture with Schoelley
JV with leading German producer of endoscopes was established
ERP System implemented
Enterprise Resource Planning ABAS for production management

NATO standard AQAP 2110
OPTIX is the first Bulgarian company in compliance with this standard

5-Standard Quality System

Black Sea Blue Border project
As part of the international consortium ATO – Black Sea Border Surveillance

IR and UV lenses workshop
Investment of 3 million EUR
**OPTIX HISTORY**

<table>
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<th>Year</th>
<th>Project Description</th>
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| 2013 | Bulgaria-Serbia Border Project  
Stationary and mobile video surveillance systems |
| 2014 | Medium and Large Optics  
New production facility |
| 2016 | Forest Fire Prevention Systems  
More than 20 surveillance systems manufactured |
| 2017 | Micro Optics Europe  
JV facility for micro-optical components with Canadian Investment Fund |
| 2018 | Bulgaria-Turkey Border Project  
Stationary video surveillance system worth of 18 million EUR implemented |
OPTIX ACHIEVEMENTS

- More than 530 people working in OPTIX, more than 1000 in the company group (JVs)
- Products enlisted into the NATO Codification system
- OPTIX is a trustful supplier of complete systems and devices to more than 45 countries worldwide and part of the supply chain of world-wide defense companies
- Closed production cycle – in-house development, manufacturing, assembly and testing
SECTION 2
OPTICAL PRODUCTION
Fully equipped with state-of-the-art single point diamond turning lathes, innovative and advanced optical manufacturing equipment for CNC grinding, polishing and centering, and cost-effective production of flat-surfaced optical components, spherical and aspherical lenses.
Manufacturing optical glass blanks, providing high precision thin-film optical coatings starting from UV and reaching the IR spectral range, variety of metrology equipment for ultimate quality assurance
The mechanical workshop is fully equipped with numerous CNC machines for turning and milling. Several assembly lines for opto-electronic devices and opto-mechanical assemblies
ISO 17025 TESTING LABORATORY

Benches for: single stroke, multiple impact, verification of stability during transport, vibration
Chambers for: heat-moisture, sun radiation, sand and dust, sea mist
Propulsion systems for: leak checks, resistance fall
3 MAIN PRODUCT LINES

THERMAL IMAGING DEVICES

OPTICAL SYSTEMS

INTEGRATED SURVEILLANCE SYSTEMS

Through cutting edge technologies OPTIX is offering complete solutions for Military and Law Enforcement end users to implement successfully the most difficult missions in an unexpected environment.
The Thermal imaging devices are designed in an unique way to meet the latest environment and performance standards. OPTIX is controlling the devices quality as we produce the components of our devices and do the respectful assembly to close the production cycle.

The devices are with crisp and detailed thermal image due to the high resolution of the incorporated thermal cores (384x288, 640x480).
**THERMAL IMAGING SIGHTS**

IdentifieR – the premium line of thermal imaging sights comes in two options – 60mm and 100 mm lenses. The devices feature preloaded digital reticles, supreme performance and image clarity. Available in 384x288 and 640x480 resolution.
THERMAL IMAGING DEVICES

BidentifieR 100
Diana IR 25/35/50
RPG sight PAGOT

BidentifieR is very light thermal biocular with 640x480 detector for long distance
DianaIR series is compact thermal monocular/sight for medium to short-range usage
Pagot is the first thermal RPG sight in the world – target acquisition during day and night
THERMAL IMAGING ATTACHMENTS

Powered by 640x480 sensor and superior optics, the Z-IR series is the perfect solution for long-distance sniper shooters, eliminating the need to zero the day scope. The unique optical design provides unprecedented advantage to the user.
THERMAL IMAGING CAMERAS

Cooled HeatseekIR

F/4
15-330 mm
26-560 mm
38-825 mm

Uncooled GOLIATH

45/135 mm
60/180 mm
25-225 mm

Uncooled MINION

9, 19, 25, 35, 50, 60, 100 mm,
IP connectivity
THERMAL IMAGING CAMERAS

MINION R
Solutions for armored vehicles

MINION DE
Driver Enhancer

MINION L
UAV / Drone Thermal Imaging Camera
The Optical Systems devices are designed in an unique way to meet the latest environment and performance standards.

OPTIX is controlling the devices quality as we produce the components of our devices and do the respectful assembly ourselves to complete the production cycle.

The Optical Systems devices are with crisp and detailed image due to the quality 18-mm Image Intensifier Tubes.
NIGHT VISION GOGGLES

DIANA - Single tube night vision goggles
DIANA TT – Twin-tube night vision goggles for stereoscopic view
DIANA A – Aviator twin-tube night vision goggles for with military helicopters pilots
Afocal magnifier 3X, 4X, and 5X for the DIANA and 3x and 4x for the DIANA TT goggles.
NIGHT VISION OBSERVATION

DIANA M40 – compact and lightweight night vision monocular
DIANA 3X, 5X, 6X, 10X – night vision binoculars for observation
NIGHT VISION SIGHTS

ONS – 3, 4V and 6 – night vision sights with fixed magnification, featuring illuminated reticles
MK6 – collimator sight, with 1x magnification, and parallax-free design, comes in 3 sizes
ODS-4 and ODS-6 - day sights with fixed magnification and illuminated reticle
NIGHT VISION ATTACHMENTS

NVA-75 – Night vision attachment with external gain control
NVA-10 – Night vision attachment for long-distance shooters

In combination with day scope
RPG-7 SIGHTS

PGO-7 – RPG-7 sight for direct fire
PGO-7 VU – RPG-7 with elevating mechanism for precise corrections for various grenades
NVA-50 – Night vision attachment for PGO sights
INTEGRATED SYSTEMS SOLUTIONS

OPTIX STATIONARY GUARD

- Robust solutions for exterior use for surveillance of important perimeters and national borders
- Real time transfer of video to local and central command centers in a variety of environmental conditions

FEATURES

- Thermal imaging camera
- Day camera
- Laser Range Finder
- Software
INTEGRATED SYSTEMS SOLUTIONS

OPTIX MOBILE GUARD
- Up to date mobile solutions for surveillance of different landscapes perimeters
- Ensuring the surprise moment for observation of strategic areas and recording of the video material for evidence

MS MINI Thermal Camera System
- Fast and reliable installation on a vehicle with a vacuum attachment mount
- Portable control panel with integrated display and joystick control
- Pan-tilt unit
REMOTE IDENTIFI FIRE SYSTEM

- Unique solution for early fire detection
- Sophisticated software ensuring high performance and long distance detection
- Real time transfer of video information for analytics and response actions

MOBILE IDENTIFI FIRE SYSTEM

- Mobile off road solution for early fire detection
- The systems ensures fast response measures
THANK YOU FOR YOUR ATTENTION!

www.optixco.com