

Photo: Kalashnikov



Optical scopes constitute the state-of-the-art in gunsights.

Page 48

■ SECURITY POLICY

- 14 Turkey's New Role in NATO**
Korhan Özkilinc

■ COUNTRY FOCUS: ITALY

- 18 Cooperation for International Security**
Luca Peruzzi
- 22 Italy's Strategic Concept**
General Enzo Vecciarelli
- 27 "International cooperation in the military procurement sector has always been of crucial importance."**
Interview with Lieutenant General Nicolò Falsaperna
- 32 The Italian Defence Industrial Base**
Carlo Festucci

■ ARMAMENT & TECHNOLOGY

- 36 High-End Thermal Imaging Systems**
Doug Richardson
- 41 Connectors for Harsh Environments**
Tim Guest
- 44 The Internet of Military Things – Too Much Information?**
Thomas Withington
- 48 Scopes: Identification, Digitalisation and Range Superiority**
André Forkert
- 52 Hardware Upgrade: The Future of Rugged Devices**
Gerrard Cowan
- 54 Ground Support Equipment: Often Disregarded, yet of Vital Importance**
Florian Lobitz

Photo: ODU



Military connectors have to withstand harsh environmental conditions.

Page 41

- 56 Unmanned Systems in Support of Future Autonomy**
Alex Horobets
- 62 Ground-Based Battlefield Laser Applications and Technology**
Sidney E. Dean
- 68 Satellite Navigation – Is this just Phantasy?**
Thomas Withington
- 72 CBRN Reconnaissance: Obsolete or Omnipresent?**
Dan Kaszeta
- 74 The Impact of Secure Tactical Video Transmission**
John Antal

■ INDUSTRY & MARKETS

- 76 "Self-Reliance" and "Self-Respect": Aero India 2021**
Suman Sharma
- 80 Op-Ed: EDGE Group**
H.E. Faisal Al Bannai
- 82 Outcome-Based Contracting**
Peter Janatschek, Joe Spruill, Gustavo Scotti di Uccio
- 86 The Dutch Defence Sector on the Way towards a European Defence Market**
Ron Nulkes

■ ARMED FORCES

- 89 The Royal Saudi Air Force – Confronting Multi-Dimensional Threats**
David Saw
- 92 Advances in Naval Mine Countermeasures**
Luca Peruzzi
- 98 Indian Naval Aviation Considering Major Reforms in 2021**
Suman Sharma

VIEWPOINT FROM ...

61 **Copenhagen**
J. Bo Leimand

85 **New Delhi**
Suman Sharma

THE BRUSSELS BACKDROP

66 **EU and NATO -
A Synchronised New Approach
to Transatlantic Partnership**
Hans Uwe Mergener

COLUMNS

1 **Editorial**

4 **Firms & Faces**

5 **ESD Spotlight**

70 **Masthead**

Index of Advertisers

Aeronautics	77
Arquus	2 nd cover
Bren-Tronics	40, 53
CTA	59
Curtiss-Wright	78/79
DEFEA	60
EDGE	35
Embraer	13
Expodefensa	45
FNSS	9
IDEX	81
John Cockerill	4 th cover
Koehler	93, 97
Mittler	3 rd cover
Nexter	17
ODU	43
Sensoror	3
Shield Africa	69
Vected	37, 51
WB Group	47
Yugoimport	7, 57



IMU TACTICAL GRADE

1:1 scale

STIM300 is a tactical grade Inertial Measurement Unit, IMU, for demanding guidance and navigation applications.

- ITAR free
- Small size, low weight, power and cost
- Insensitive to magnetic fields
- Low gyro bias instability (0.3°/h)
- Low gyro noise (0.15°/√h)
- Low accelerometer bias instability (0.05 mg)
- Excellent performance under vibration and shock
- Fully calibrated and customer configurable to the specific application
- 3 inclinometers for accurate leveling
- Weight 55 grams, volume <2cu.in, power 1.5 W

STIM300 is field proven in **Military Land navigators, Missile systems, Target acquisition systems, Airborne surveillance, DIRCM, Remote Weapon Systems, Launch vehicles and Satellites.**



When size, performance and robustness matter

sales@sensoror.com • sensoror.com