The integrated vision system (FlexEye®) represents the latest day and night vision (IR) sensor technology and thus enables the simultaneous, weather-independent display of several targets.

Using the latest image processing algorithms, movements of the pipe axis, caused by ballistics, can be compensated and thus allow coaxial assembly on a 2-axis stabilized platform. In addition to manual target tracking, a powerful tracker also enables automatic target tracking.

All data relevant for fire control are processed in real time and give the system a high level of precision that is relevant to the application.

The use of standard interfaces (e.g. NGVA) simplifies system integration in various vehicle classes.

The carbon-based mount technology enables a significant reduction in weight and vibration, which, in conjunction with the shape and design, offers a significantly reduced signature.

The weapon station sets standards in the areas of protection class, operational capability and dynamic targeting of asymmetrical threats due to the cross-sectional use of innovative software modules within the latest Rheinmetall RCWS Systems.

The combination of an intuitive operating concept and intelligent assistance systems represents a significant relief for the operator in combat situations. The NATTER 7.62 has the ability to integrate additional control consoles and also meets the safety requirements of IEC 61508.

**PERFORMANCE FEATURES**

- High First-Hit Probability
- High angular precision and speed
- Ability to fight dynamically
- Automatic Target Tracking
- Self-stabilized platform
- Possibility of integration into a CMS

- Light weight, low signature
- Underwater ability after preparation
- Optronic cleaning system
- NGVA-Interface
- Fitted for ROSY, AGDUS, ballistic protection
- IEC 61508 / MIL-STD-810H
- ITAR-free
### MONITOR
- Infrared-Touchscreen
- Military hardening
- Suitable for night-time operations

### JOYSTICK
- Ergonomic design
- Left- or right handed operable
- Individually configurable
- Complete operating redundancy

### TECHNICAL DATA & DIMENSIONS
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>≈ 610 mm</td>
</tr>
<tr>
<td>Length</td>
<td>≈ 1,100 mm</td>
</tr>
<tr>
<td>Width</td>
<td>≈ 1,100 mm</td>
</tr>
<tr>
<td>Weight (empty, incl. Flex-Eye®-Sensor)</td>
<td>≈ 78 kg</td>
</tr>
<tr>
<td>Weight (empty, incl. Weapon)</td>
<td>≈ 89 kg</td>
</tr>
<tr>
<td>Weight (total, incl. Weapon/250 rounds)</td>
<td>≈ 100 kg</td>
</tr>
<tr>
<td>Azimuth</td>
<td>n x 360°</td>
</tr>
<tr>
<td>Elevation</td>
<td>-15° to +85°</td>
</tr>
<tr>
<td>Max. angular speed</td>
<td>120°/s</td>
</tr>
<tr>
<td>Max. angular acceleration</td>
<td>≥ 120°/s²</td>
</tr>
</tbody>
</table>

### WEAPON ADAPTIONS
- Cannon
  - MG4, FN-MAG M-249 LMG or FN Minimi; Kaliber 5.56 x 45 mm
  - MG-5A1 (H&K), Kaliber 7.62 mm x 51 mm

### SENSOR DATA FLEX-EYE
- **IR camera**
  - SAPHIR / UC 5.9
  - Spectral band: 8-12 µm
  - Detector: 640 x 480
  - FoV 1: 5.9°
  - FoV 2: 25.3°
  - Range within FoV 1 i.a.w. STANAG 4347 σ = 0.2
    - Identification: 1.500 m
    - Recon: 2.820 m
    - Detection: 7.590 m

- **Color camera 1**
  - CMOS
  - Spectral band: Visible
  - Sensor: 2.064 x 1.544
  - FoV: 6.7°
  - Range within FoV VR = 23km
    - Identification: 2.700 m
    - Recon: 5.330 m
    - Detection: 12.580 m

- **Color camera 2**
  - CMOS
  - Spectral band: visible
  - Sensor: 2.064 x 1.544
  - FoV: 23.75°

- **Laser Range Finder**
  - Diode Laser
  - Range / Wave length: ≧10,000 m / ~1.55 µm
  - Frequency / Accuracy (1σ): 25 Hz / < 1 m
  - Classification (IEC60825-1 2014): 1

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Note: The scope of supply, appearance, performances, dimensions and weights of the system correspond to the knowledge available at the time of printing. Deviations from the illustrations in color and form, errors and misprints as well as changes are reserved.