HARRIS F6023, GEN 3
SPIRAL ENHANCED NIGHT VISION GOGGLE

F6023 SERIES
(AN/PSQ-20A)

Harris Corporation (Harris) is the world’s leading developer, producer, and supplier of Generation (Gen) 3 image intensifier technology. Harris is currently delivering the Spiral Enhanced Night Vision Goggle (SENVG) system to the U.S. Army on the ENVG II program. The SENVG is a refined version of the original AN/PSQ-20 ENVG system Harris delivered on the U.S. Army’s ENVG I program. Exportable and commercial version of this U.S. Army-grade fused night vision goggle are now available.

DESCRIPTION
Building on the strengths of its predecessor, the SENVG boasts significant improvements in producibility, field of view, and life cycle costs.

The SENVG combines an image intensified (I²) tube and infrared (IR) micro-bolometer into a compact monocular. The SENVG system, including helmet mount and batteries, weighs less than 2 pounds. The 3-battery pack provides power for helmet-mounted or hand-held use. The SENVG will mount on an ACH helmet and will provide: vertical adjustment, flip-up, tilt, fore/aft adjustment; left/right eye use; and quick disconnect from the helmet.

BENEFITS
- Compatible with traditional weapon system ranges
- Operating on 3 batteries reduces life cycle cost
- It expands viewing capability from highlight conditions to total darkness (no light) and through battlefield obscurants. Increases capability for urban operations
- Improved wearing comfort due to better weight balance resulting in less fatigue
- Easy-to-use controls
- Color microdisplay
- Non-exit pupil forming eyepiece allows the user to maintain full field of view even as helmet shifts during vigorous physical movements

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About Harris Corporation

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company’s advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately $8 billion in annual revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

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**SPECIFICATIONS FOR: HARRIS F6023, GEN 3, SPIRAL ENHANCED NIGHT VISION GOGGLE**

**GENERAL**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Less than 2 lbs (907 gm) including helmet mount and batteries</td>
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<tr>
<td>Over 7.5 hours of fused operation life on 3 AA lithium batteries</td>
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<tr>
<td>18-mm image tube</td>
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<tr>
<td>320 X 240 microbolometer thermal camera</td>
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<tr>
<td>Field of View</td>
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<tr>
<td>- I² ≥38°</td>
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<tr>
<td>- IR ≥28° Diagonal</td>
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<tr>
<td>I² Resolution (1E-3 fl), 1.30 cy/mr</td>
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**Night Vision**

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