



# HARRIS F6044, GEN 3

## TACTICAL MOBILITY NIGHT VISION GOGGLE

### I-AWARE® FAMILY F6044 SERIES

#### BENEFITS

Input/output connector for video import/export capability with integrated power connection

Integrated high resolution color display to show soldier mobility information such as maps and target information

Generation 3 performance offers optimum resolution, high gain and photoresponse to near infrared

Clip-on battery pack uses universally available AA batteries for hand-held operation

Used with i-Aware Connect, which provides connectivity between the i-Aware family of goggles, data radios and smart phones

i-Aware® is a family of advanced, multi-purpose night vision products connecting the battlefield user with various applications, as well as command headquarters, to enhance situational awareness. As part of a complete soldier system or as a stand-alone night vision goggle, i-Aware Tactical Mobility Night Vision Goggle (TM-NVG) increases operational effectiveness in both nighttime and daytime missions, and provides the soldier with real-time video access to critical tactical intelligence.

#### DESCRIPTION

i-Aware TM-NVG offers integrated, color imagery display and camera capture export capabilities. The configuration delivers the same night vision capability as the F6015 in a monocular (with no increase in weight) or in a light-weight binocular with advanced technical features to improve soldier mobility:

- Provides enhanced tactical command and control for improved decision-making
- Allows tactical commanders real-time access to live soldier video feeds
- Enables viewing GPS, mapping, command text message and target information along with video input from weaponsights to “shoot around the corner”
- Integrates a camera system to capture and export live video from the user’s viewpoint

## ACCESSORIES

- Helmet Mount
- Battery Pack
- Connector Cable (optional)
- i-Aware® Connect (optional)

## NIGHT VISION VIEW



Traditional



With i-Aware Live Video Overlay

### 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.

## SPECIFICATIONS FOR: HARRIS F6044 , GEN 3, TACTICAL MOBILITY NIGHT VISION GOGGLE

### OPTICAL PROPERTIES

On-Axis Resolution (min) at optimum light level	1.3 cycles/milliradian
System Magnification	1X ± 0.03
System Distortion	Less than 3%
Focus Range	25 cm to infinity
Diopter Focus	+1 to -2 diopters

### FIELD-OF-VIEW

Image Intensified Field-of-View	Greater than 40 degrees
Display Field-of-View	Greater than 33 degrees diagonal

### DATA FORMAT

Display Format	800 x 600 pixels, SVGA
System Brightness Gain	Adjustable from 75 fL/fL to more than 5,000 fL/fL
Captured Video Resolution	640 x 480 pixels up to 10 frames per second
Video Input Formats	SVGA/VGA, RS-170, CVBS (NTSC or PAL) monochrome
Video Output Format	USB 2.0 High-speed

### PHYSICAL/OPERATING PROPERTIES

Exit Pupil and Eye Relief	14 mm on-axis exit pupil at 25 mm eye relief
Operating Temperature	-32°C to +40°C full performance, +55°C with some degradation
Storage Temperature	-40°C to +70°C
Battery Life (Image Intensified Only)	Greater than 15 hours with 1 Lithium "AA" battery
Power Supply	Commercial "AA" battery, external +5V
System Weight	Less than 2.2 lbs (1000 gm) includes primary and secondary monocular, helmet mount, shroud with strap, and bridge with no battery

## MONOCULAR CONFIGURATION



Primary



Secondary

Night Vision  
7635 Plantation Road  
Roanoke, Virginia 24019-3222  
Attention: Business Development  
Telephone: 800-448-8678 or 540-563-0371  
Fax: 540-362-4979  
E-mail: [nvsales@harris.com](mailto:nvsales@harris.com)

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INFORM AND PROTECT™