



# PAT HMSD



LEADERS IN DEFENCE AND  
SECURITY INNOVATION

# PAT HMSD

NEW GENERATION HELMET MOUNTED SIGHTING DISPLAY SYSTEM  
OPTICAL HEAD TRACKING MEASUREMENT HYBRIDISED LOS  
CALCULATION FROM THREE SOURCES

- Hybrid head tracking
- Easy integration with any mission system
- Unique sighting precision
- Day/Night capability
- Designed for military attack and utility helicopters

## FEATURES

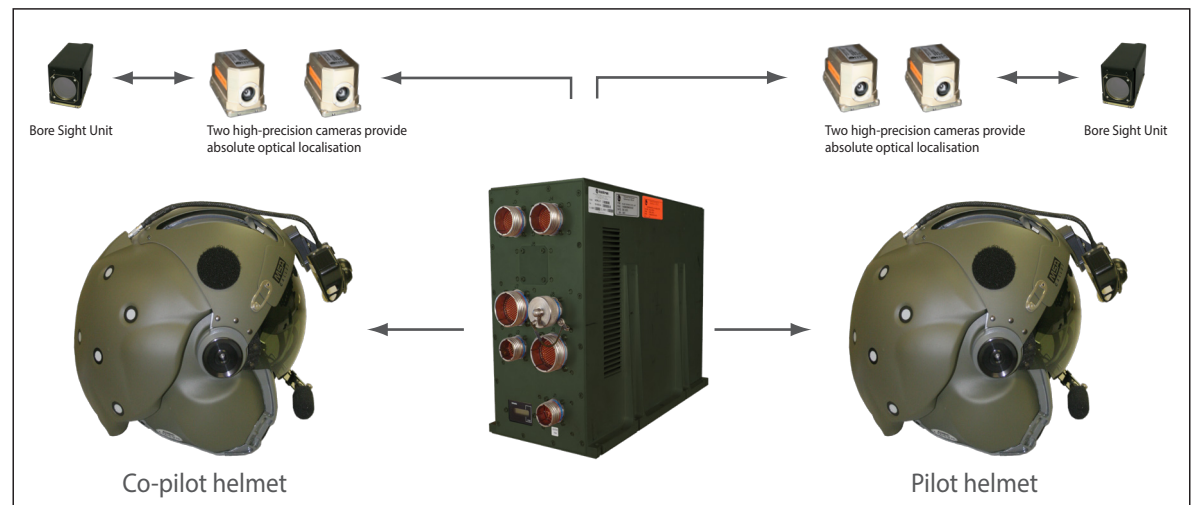
Key component for piloting and sighting functions
Proven operational performance
Day/night operation
Rapid target acquisition
Simple, accurate pre - or in - flight bore sighting procedure
Quick and easy integration/calibration on aircraft
Light-weight, well-balanced
Can be adapted to existing crew helmet
Customised symbology designed by pilots

## HEAD TRACKING MEASUREMENT

Hybrid HTS: Optical + GyroMEMs
High level of redundancy using three independent sources
High precision without latency
Large head motion box detection
Immunity to external perturbations (sunlight, lighting)
Permanent HTS harmonisation. No drift over time during flight
Dual seat cockpit architecture

## MONOCULAR SYMBOLOGY DISPLAY

FOV: 17°
Resolution: 800x600 Pixels
High brightness and contrast
Day and night with standard NVG
Weapon system or flight symbology
NVG powered by aircraft or battery



998 16th Road, Halfway House, 1685 South Africa [www.paramountgroup.com](http://www.paramountgroup.com)

t +27 11 086 6800 f +27 11 086 6801 e [info@paramountgroup.com](mailto:info@paramountgroup.com)