

PILAR HELICOPTER VERSION

Acoustic Gunshot Detector for Helicopters



ACOEM Group

Smart Solution for helicopter protection

METRAVIB PILAR HELICOPTER VERSION is an acoustic gunshot detector designed to protect helicopters and increase the survivability of their crew. PILAR HELICOPTER VERSION is a hostile fire indicator, the ultimate detection layer of the Early Warning Suite Controller of helicopters against small arms.





Metravib PILAR HELICOPTER VERSION

ACOUSTIC DETECTION OF SMALL ARMS SHOTS

- Omni-directional coverage
- Operates with single, multiple, burst and simultaneous shots
- Low false alarm rate
- Filters the return-fire shots

INTEROPERABLE

- RS232 or Ethernet data link
- Can be interfaced with GPS moving map, Early Warning Suite Controller, etc.
- Simple and standard interface protocol
- MIL-STD compliant

ACCURATE FOR QUICK DECISION AND RESPONSE

- Provides information of Azimuth, Elevation, range, caliber identification and miss distance of the threat
- Fire location accuracy (RMS): $\pm 15^\circ$ for Az and El or 180° azimuth sector
- Continuous built-in test
- Easily adaptable kit for positioning on the helicopter's airframe



"It's so noisy up there and you're so busy that sometimes you just don't know that you're taking fire until it is too late", a US helicopter pilot told HIS Jane's at the US Navy League 2012 symposium.

METRAVIB PILAR HELICOPTER VERSION has been proved by Small Arms Fire test on UH-1, MI-17, Mi-8, BLACKHAWK, PUMA, FENEC, SQUIRREL, ALOUETTE, EC145 and BELL 206 helicopters

How does acoustic gunshot detection work?



MUZZLE BLAST
Direction of the shot origin



SHOCK WAVE
Shot Alert



PILAR Vehicle and Helicopter Version

- Azimuth, Elevation, Range
- Caliber Identification
- GPS Coordinates of the shot origin (vehicle only)



PEARL Soldier Version

- Azimuth, Elevation



PILAR Ground Version

- Azimuth, Elevation, Range
- GPS Coordinates of the shot origin
- Cartography shot overlay

METRAVIB PILAR IS IN SERVICE IN 25 COUNTRIES

France, USA, UK, Germany, Turkey, Australia, Italy, South Africa, Tunisia, Norway, Indonesia, Belgium, Poland, Denmark, Singapore, Slovakia, Czech Republic, Brunei, Romania, etc.



COMBAT PROVEN: 20 years of operational feedback to enhance our products: Balkans, Iraq, Afghanistan, Central African Republic, Mali

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