

KIV-6 Mark XII

IFF Crypto Computer



BAE Systems designed the KIV-6 as a universal mode 4 IFF crypto computer. The KIV-6 can be used in any application that requires secure Mark XII mode 4 transponder or interrogator performance.

Description

The mode 4 and 5 capable version of the KIV-6 is the KIV-78. The KIV-6 supports the AN/APX-111 and AN/APX-113 combined interrogator/transponder IFF systems used by the F/A-18, F-15, F-16, and helicopters.

Features and/or benefits

- National Security Agency (NSA) endorsed
- Qualified for U.S. Navy and Air Force fighter environment
- Highly reliable miniature design

Specifications

Design features	Front-panel NSA-specified key load connector Front-panel key load light emitting diode and zeroize switch Front-panel battery assembly contains two AA lithium cells
Transponder function signals	XP zero and alarm XP verification bit 1 and bit 2 XP code A/B select Reply video XP crypto bit Enable trigger M4 disable Challenge video Reply video
Interrogator functions signal	IR zero and alarm Challenge control Noise alarm override IR verification bit 1 and bit 2 M4 pretrigger IR code A/B select IR crypto bit GTC trigger Time-decoded video ISLS trigger Noise alarm IR M4 reply (TPD) IR challenge
Interrogator and transponder common functions signal	Key fill reference Switch reference Request Data Clock Remote LED return Battery monitor Configuration resistor Revision
Characteristics	Dimensions: 3.4" height x 2.05" width x 4.68" depth Weight: 2 pounds

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