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  
|                                                   | 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 |