AES Encryption and ISI Products

The Advanced Encryption Standard (AES) is a specification for the encryption of electronic data established by the U.S. National Institute of Standards and Technology (NIST). AES has been adopted by the U.S. Government and is now used worldwide. AES became effective as a federal government standard on May 26, 2002 after approval by the Secretary of Commerce.

Three different key lengths are used: 128, 192 and 256 bits. In June 2003, the U.S. Government announced that AES could be used to protect classified information. All key lengths are suitable for protection of classified information up to the SECRET level.

All ISI wireless devices and bases support AES encryption. The following table lists the encryption type for each product and the process for enabling it.

Product	Connection	Type	Enabled	Comments
ISI Ranger Camera	RF signal to base	AES-256	By default	Default key can be changed via software
ISI Tripwire	RF signal to base	AES-256	By default	Default key can be changed via software
ISI Thermal	RF signal to base	AES-256	By default	Default key can be changed via software
ISI AIO Base	RF signal to Field	AES-256	By default	Direct connect to computer. Encryption not necessary.