

NXG-BTCrypt-S

Secure AES-128 Output Encryption Module



Key Features

- » Standardized AES-128 encryption to quality content
- » Protects content to the viewing location
- » Compliant with Service Operator policies
- » Supports custom integration projects

Product Overview

The **NXG-BTCrypt-S** module creates a standardized AES-128 encryption to the output content for the NXG digital video platform. It encrypts single program MPEG-2 IP transport streams pulled off the NXG backplane. The NXG-BTCrypt-S supports the output of up to 256 SPTS channels per each front panel RJ45 GbE ports 1 & 2; ports 3 & 4 are reserved.

BT Labs' managed AES-128 output encryption module can be used to provide a secure IP connection to other vendor's networking equipment or to provide scrambled content all the way to viewing locations. The NXG-BTCrypt-S can support fixed, rotating, or custom key exchange.

Ordering Information

Model	Stock #	Description
NXG-BTCrypt-S	6776 S	Secure AES-128 Output Encryption Module

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Module Specifications

Input	
IP	2.5 Gb from NXG Mainframe Backplane
Video	MPEG-1, MPEG-2, MPEG-4, H.264 (AVC), H.265 (HEVC), Digicipher II
Audio	MPEG1, MPEG2, ADTS, AC3, E-AC3/AC3+

General	
Dimensions (W x H x D)	1.15 x 15.5 x 7.0 in (29 x 394 x 178 mm)
Power	DC via NXG Mainframe Backplane
Power Consumption	11 W
Weight	2.0 lbs (0.9 kg)
Operating Temp.	32 to 122 °F (0 to 50 °C)
Storage Temp.	-13 to 158 °F (-25 to 70 °C)
Operating Humidity	0 to 95% RH @ 35 °C max, non-condensing

Output	
Standard	2x 1Gb RJ45 Ports (1 & 2)
TS Packet Length	All Formats Content Encrypted
Addressing	Multicast or Unicast
MPEG TS	SPTS

Alarms & Monitoring	
Front Panel	1x Status LED (Bicolor)