

#### **C SERIES**

# MIPI CSE Analysis License

Integrated CSE packet generation and analysis license for Introspect Technology C Series Products



## Verify Critical Security and Functional Safety Features of your Next-Generation Products

The MIPI CSE Analysis License is a dedicated, hardware-locked application that runs on the Introspect Technology SV5C MIPI Generator and Analyzer products. Covering message-based and frame-based data service protocols, this application enables the generation of encrypted packets and payload data when operated on an SV5C MIPI Generator, and it enables decoding and authenticating data when operated on an SV5C MIPI Analyzer. Thus, it represents a complete, golden-standard solution for validating Functional Safety (FuSa) and Security (Sec) data protection services in safety-critical imaging and vision applications.

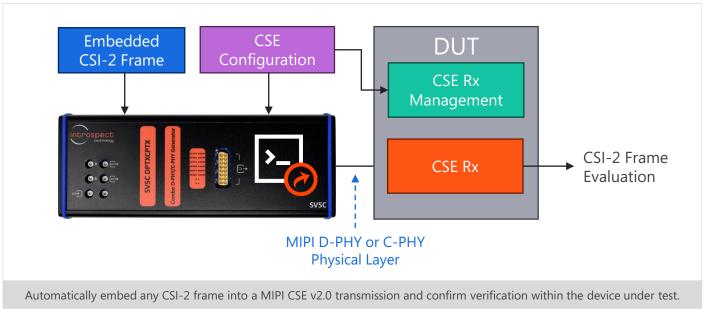
#### **KEY FEATURES:**

- User-Configurable CSE Management Options: Create any combination of security services or functional safety services.
- CRC and Message Authentication Options:
   Generate and analyze compliant and non-compliant SEP and FSED packets.
- **Replay Protection:** Generate unique frame counts and detect frame replay errors.

#### **KEY BENEFITS:**

- Verify Your CSE Framework: Create a Golden set of inputs and outputs for verifying the MIPI CSE framework.
- 100% Compatible: Use with the existing Introspect tools and workflow.
- Automate Testing and Verification: Leverage
   Pinetree to automate tests and rapidly qualify all
   data services supported by the CSE specification.

## Achieve a Golden-Standard Methodology for Testing Security





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## **Specifications**

PARAMETER	VALUE	DESCRIPTION
Services Supported	Security, FuSa	Includes CRC generation/checking and message authentication testing
Data Service Protocols	SEP, FSED	Provides customizable features for each protocol
Customizable CSE Parameters	Initial Frame Count, Initial Accumulated Frame Count, Payload Descriptor, Source ID	Enables testing multiple scenarios and conditions
Security Tag Modes	SEP_Sec_TM_1b, SEP_Sec_TM_1b, SEP_Sec_TM_1c, SEP_Sec_TM_1d, SEP_JTM_1a, FSED_JTM_2a, FSED_JTM_2b	Supports long-term development roadmaps
FuSa Tag Modes	FSED_JTM_2a, FSED_JTM_2b, SEP_FuSa_TM_1, SEP_FuSa_TM_2, SEP_JTM_1a	Supports long-term development roadmaps
Message Authentication Parameters	Security Variants, Traffic Keys, MAC Sizes, Encryption Keys	Enables deep security verification

## View Your CSE Validation Data Using the Standard Pinetree Viewer

