



## MIPI Camera and Imaging Test Solutions

### Flexible Products that Satisfy Your Testing Needs

As image sensor and camera designs continue to evolve and broaden their application reach, significant design and verification challenges have emerged. At Introspect Technology, we have created the most complete portfolio of tools for addressing these challenges. Our instruments have become indispensable to the design, verification, and high-volume manufacturing of devices and systems based on MIPI® Alliance physical layer, camera, and control specifications. Features such as virtual channels, deep color pixel formats, scrambling, or spread-spectrum clocking are all seamlessly supported by our test tools.

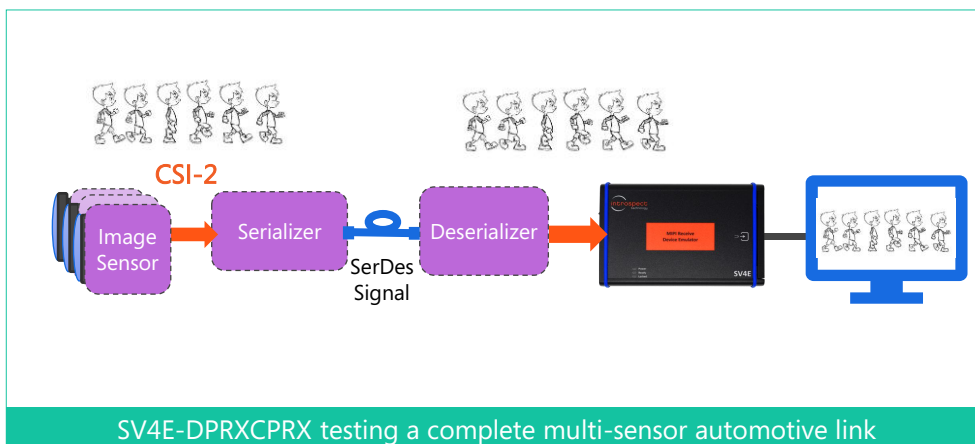
#### INDUSTRY CHALLENGES

- Ultra high resolution sensor array testing and characterization
- Ultra high frame rates and transmission bandwidths
- Large number of virtual channels
- Complex protocol features such as scrambling and embedded data
- Advanced, multi-level physical layers
- Complex conformance test requirements

#### INTROSPECT CAPABILITY

- Optimized tools for capturing and streaming high-resolution pixel data
- Ability to achieve and exceed the theoretical maximum frame rates and bandwidths of MIPI CSI-2 links
- Real-time packet error analysis
- Best-in-class exerciser and analyzer features, developed in lock-step with the standards
- Conformance test suites for transmitters and receivers

### APPLICATION HIGHLIGHT: 10 GBPS AUTOMOTIVE SERDES LINK TESTING



### APPLICATION NOTE

Revolutionizing Sensor Development:  
The Role of Frame Grabbers in  
Enhancing CSI-2 Technology



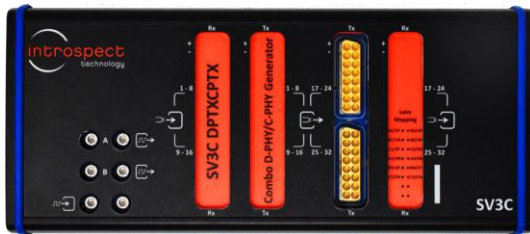
Scan to download the application note!

### C SERIES

#### SV3C-DPTXCPTX

MIPI D-PHY/C-PHY GENERATOR

High performance digital pattern generator and receiver analog characterization solution



#### SV5C-DPRXCPRX

MIPI D-PHY/C-PHY ANALYZER

Protocol analyzer and transmitter characterization solution with comprehensive measurement capability



### E SERIES

#### SV4E-DPRXCPRX

MIPI RECEIVE DEVICE EMULATOR

Image sensor and camera module tester. Includes rapid image capture and video streaming capability



#### SV4E-I3C

I3C TEST AND DEBUG MODULE

Versatile tool for characterizing, analyzing, and debugging control interfaces based on MIPI I3C



### ACCESSORIES

#### PV1

UNIVERSAL ACTIVE PROBE

Oscilloscope and protocol analyzer probing solution for multi-Gbps applications



#### CRTB45

C-PHY REFERENCE TERMINATION BOARD

Reference board for calibrating signal generators and measuring transmitters running at C-PHY 2.0 speeds

