# DisplayPort Test Solutions
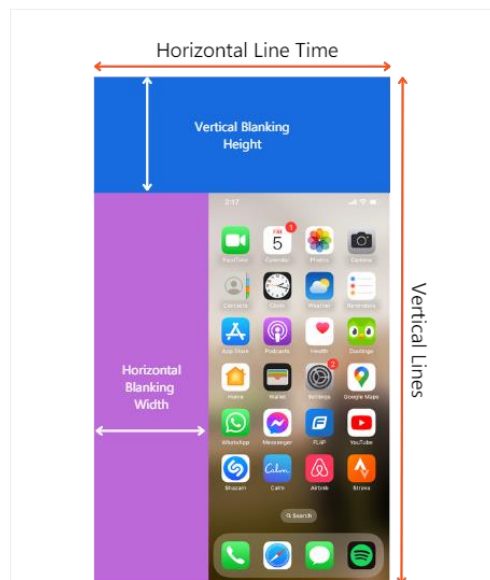
Supercharged SerDes technology that enables
the most immersive display experiences

## Flexible Products that Satisfy Your Testing Needs

Introspect Technology has created a complete set of solutions for DisplayPort design validation, characterization, and production testing. Our solutions contain a wide host of protocol features for validating Embedded DisplayPort up to v2.0 and DisplayPort up to v2.1, and they simultaneously include the most complete range of physical-layer features that enable testing receiver sensitivity and equalization capability. Most importantly, our solutions work with Introspect's powerful software Pinetree, thus offering complete flexibility in controlling and validating the highly complicated Embedded DisplayPort and DisplayPort communications protocols.

## INDUSTRY CHALLENGES

- Extremely high data rates
- Closed-eye testing and link equalization training
- Complex protocols for multi-stream transport, secondary packets, low-power mode, and others
- Tight coupling between physical layer features (e.g. equalization) and protocol layer features (e.g. training)



Protocol analyzer capture of
an eDP mobile screen

## INTROSPECT CAPABILITY

- Up to 26 Gbps coverage for v2.0 support
- Generators with link training, multi-stream transport, audio streaming, and receiver stress testing via jitter injection, noise injection, and spread-spectrum clocking
- Analyzers that can act as a sink or as a sniffing (probing) analyzer
- Various probing and repeater options for equalization training sequences between source and sink devices



Probing an Embedded DisplayPort
application with the SV5C-eDP Analyzer
and RSH2 Remote Sampling Head

**INTROSPECT.CA**

# C SERIES

## SV5C-eDP Generator

### EMBEDDED DISPLAYPORT GENERATOR

Generator for Embedded DisplayPort up to v2.0 and DisplayPort up to v2.1 systems in HBR and UHBR up to 10 Gbps



## SV5C-eDP Analyzer
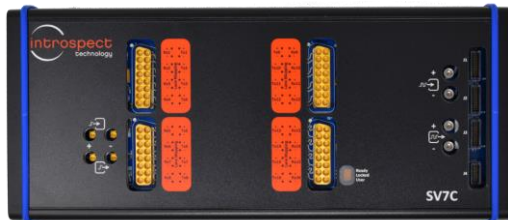
### EMBEDDED DISPLAYPORT ANALYZER

Complete Analysis of Embedded DisplayPort up to v2.0 and DisplayPort up to v2.1 systems in HBR and UHBR up to 10 Gbps



## SV7C-eDP Generator
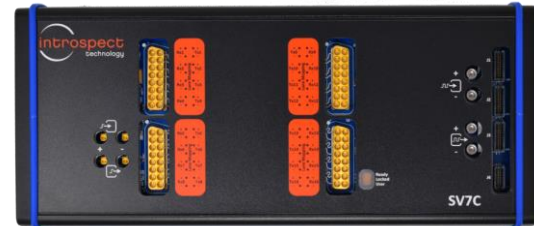
### EMBEDDED DISPLAYPORT GENERATOR

Generator for Embedded DisplayPort up to v2.0 and DisplayPort up to v2.1 systems in HBR and UHBR



## SV7C-eDP Analyzer

### EMBEDDED DISPLAYPORT ANALYZER

Complete Analysis of Embedded DisplayPort up to v2.0 and DisplayPort up to v2.1 systems in HBR and UHBR



## OSCILLOSCOPE PROBING SOLUTIONS

## RSH2

### REMOTE SAMPLING HEAD

12 active probes integrated into a clean form factor, shielded from external electromagnetic signals



## USB-C Chassis Probe

### WAVEFORM PROBING FOR USB TYPE-C STREAMS

Multi-conductor active probe solution with 20 GHz bandwidth