

OSCILLOSCOPE PROBING SOLUTIONS

# RSH2 Remote Sampling Head

Clean Probing of Parallel Buses



## 12 Active Probes Integrated Into a Clean, Shielded Form Factor

Introspect’s multi-conductor MIPI probe solution provides a simple connectorized interface for easy attachment to parallel high-speed buses. Whereas multiple probes often result in a messy and overwhelming workspace, or whereas signals are in hard-to-reach areas, the RSH2 Remote Sampling Head enables a super clean signal probing setup.

### KEY FEATURES:

- **Active Probing Solution:** high input impedance and active signal amplification
- **Shielded From EMI Issues:** all active components are shielded from external electromagnetic signals
- **Standard 50 Ohm Co-Axial Output Interface:** compatible with any 50 Ohm instrument

### KEY BENEFITS:

- **Minimized Loading:** especially useful for low-voltage applications such as MIPI or Embedded DisplayPort
- **Low Noise:** enables high-reliability protocol analysis or bit error rate testing
- **Multiple Connection Modes:** permanent or temporary attachment to DUTs

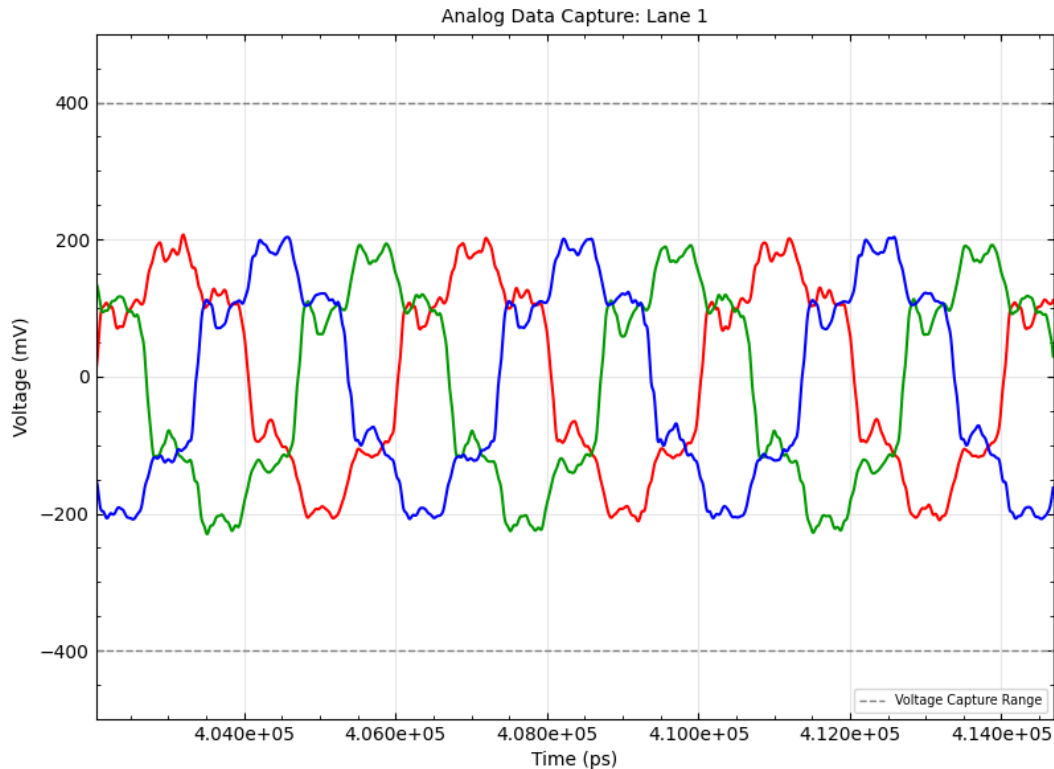
Typical Application: Form Factor Probing of eDP-Based Designs



### KEY PERFORMANCE PARAMETERS

| PARAMETER              | VALUE           | DESCRIPTION   |
|------------------------|-----------------|---|
| Rise Time              | 35 ps           | 20%-80% value   |
| Linearity              | 50 dB           | Spurious free dynamic range measured at 5 MHz and across entire voltage range |
| Power Dissipation      | 0.8 W           | Operating at room temperature without cooling                                 |
| Standard Solder-In Tip |                 |   |
| Input Impedance        | 700 Ω           |   |
| Linear Range           | -0.8 V to 1.0 V |   |
| Maximum Voltage Range  | -0.9 V to 1.2 V |   |

Obtain the most reliable C-PHY signal measurements with the RSH2 Remote Sampling Head



Multi-level C-PHY signals probed using the RSH2 Remote Sampling Head