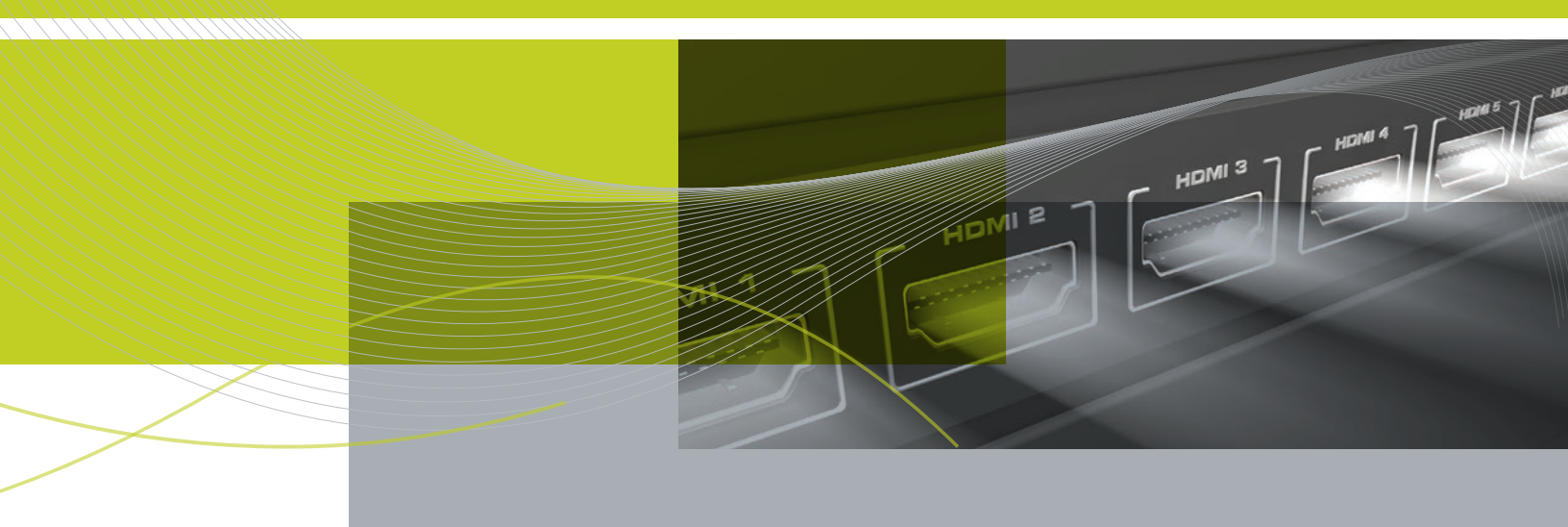


Multimedia

Test Platform



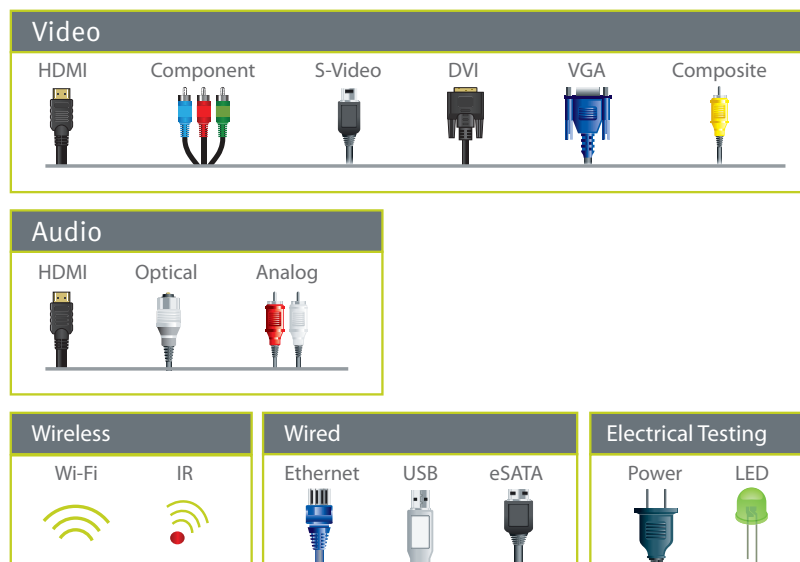
The MTP is the most advanced and flexible test solution for audio and video interfaces on the market today.

> The Power and Flexibility of MTP

The MTP is an all-in-one test platform for validating the accuracy and quality of multimedia interfaces during all production and repair/optimization phases. Featuring National Instruments' audio/video analyzers and Avera software solutions, the state-of-the-art MTP accommodates the very different needs of both test engineers and repair technicians.

The MTP's modular design and robust tools accelerate testing for many complex products such as smartphones, set-top boxes and infotainment systems. The MTP protects capital investments by allowing you to easily incorporate new tests and tools as your product evolves or as updated standards for interfaces like HDMI and Wi-Fi appear.

MTP supports many types of interfaces, including:



We are global test experts

Consult Avera's RF and multimedia test experts for developing the best test strategies, deploying the ideal test solution for your budget, or outsourcing some or all of your testing.

Multiple Interface Support

Use the MTP to test the following multimedia interfaces:

- CVBS (Composite Video): NTSC, PAL, SECAM
- Component Video: RGB, YPbPr, S-Video
- Digital Visual Interface (DVI): 1.0
- HDMI Audio and Video: 1.3, 1.4
- Analog Audio
- S/PDIF (Digital Audio): Optical, Electrical
- Broadcast Digital Television (RF Input): DVB-T/T2/S/S2/C/C2, ATSC, J.83 Annex B, ISDB-T
- Broadcast Analog Digital Television (RF Input): NTSC, PAL, SECAM
- Optional: Wi-Fi, Infrared, Ethernet, USB, eSATA and electrical

We are a leading NI Platinum Alliance Partner and have over 50 certified NI LabVIEW™, NI TestStand™, and LabWindows™ / CVI™ architects, developers, and instructors on staff.



Platinum
Alliance
Partner

Hardware Features

The MTP is based on a modular PXIe platform from National Instruments. The standard system incorporates the following components:

- **Video Measurement Suite**
 - Supports HDMI streaming audio/video testing (1080p60 HDCP-encrypted content)
 - Supports a library of real-time measurements for objective picture-quality testing
- **High-Performance Analog Video Analyzer**
 - Supports CVBS, S-Video, VGA, and CAV up to 1080p60
- **High-Speed HDMI Analyzer**
 - Supports CEC, Hot-Plug detect, EDID, HDCP encryption, 1080p60, and 3D content
 - Supports streaming video analysis for full HD (1080p60) content
- **High-Resolution, 24-bit, Analog Audio Analyzer**
 - 118 dB dynamic range, -107dB THD+N, and expandable for any channel count
- **Multi-Format Digital Audio Analyzer**
 - Supports SPDIF, AES3, and HDMI audio

Software Benefits

MTP combines NI TestStand, LabVIEW and Picture Quality Analysis software, NI AudioMASTER and Video Measurement Suite, and Avera's award-winning Prologent® Test & Quality Management software for multiple benefits:

- Fully automated video/audio testing
- RF and baseband signal generation
- Production-level parallel test applications for higher throughput
- Customizable and automated audio/video measurements
- Custom parameter-limit settings
- Flexible reporting functionality
- Easy-to-manage test sequences
- Stored and analyzable test results
- Centrally managed test input data
- Easily defined/refined product test strategies

Wide Range of Applications

The MTP is ideal for testing:

- Mobile phones and devices
- Set-top boxes and PVRs
- Digital signage solutions
- Mobile and portable computers
- Security systems
- Digital camcorders and SLRs
- Blu-ray and DVD players
- Infotainment systems

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