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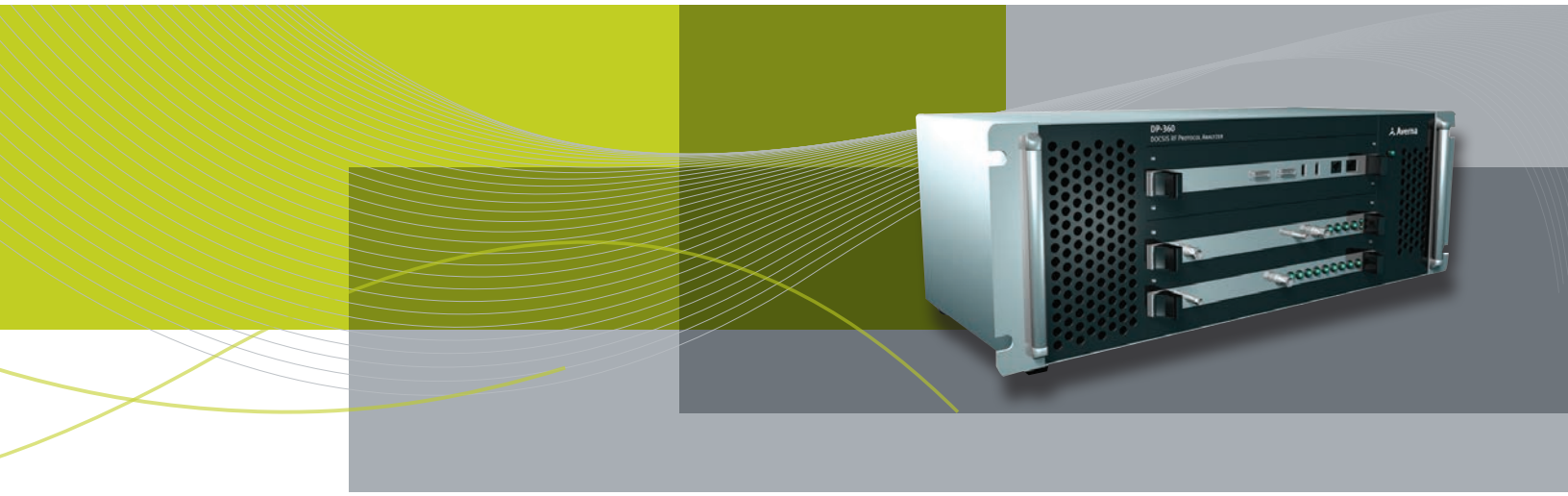
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# DP-360

## DOCSIS Protocol Analyzer



Averna's innovative test solutions ensure you deliver the most robust CPE and HE products and services.

## Accelerate Your Broadband Device Testing

The DP-360 is the industry standard for functional DOCSIS and EuroDOCSIS network analysis, providing exceptional visibility into all layers of the network. Multiple system operators (MSOs), chipset manufacturers, product developers and certification bodies use it to quickly find and correct trouble spots.

### The Best Protocol Analyzer on the Market

Optimized for real-time signal processing with FPGA technology, the DP-360 analyzes up to four single or bonded upstream channels and up to eight single or bonded downstream channels (4x4 or 8x4), with numerous channel-filtering and display features.

By capturing and filtering DOCSIS MAC layer data in real-time, the DP-360 enables full automation and remote operation – so you can quickly troubleshoot network issues and get your products to market faster than the competition.

### Highlights

- Real-time capture, filter and analysis of all DOCSIS MAC layer data through FPGA-based signal processing
- Single or bonded upstream and downstream channels, plus wide range of channel-filtering and display features
- System APIs provide full automation and remote operation support
- Contained in a single, 19-inch rackmount chassis for minimal footprint
- Supports third-party software and all DOCSIS versions, including North American and EuroDOCSIS 3.0, 2.0, 1.1, and 1.0
- Increases productivity and lowers costs

Averna

## We are global test experts

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

## FOR MULTIPLE DEVICES AND VERIFICATION PHASES

- System integration/ verification
- DOCSIS silicon design
- Modem, set-top box, residential gateway, and CMTS testing
- Certification and qualification testing
- Product development and design verification
- Network troubleshooting

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.

NATIONAL INSTRUMENTS Platinum Alliance Partner

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## Real-Time DOCSIS MAC-layer Capture and Filtering

Averna's DP-360 is the only instrument on the market to capture and filter DOCSIS MAC-layer data in real-time, using powerful FPGA-based signal processing. And the DP-360's DOCSIS Analysis Software enables you to efficiently sort, format, process, view and analyze your stored trace files.

With the DP-360's powerful filtering capabilities, you can quickly isolate packets of interest, which are then delivered in convenient, multi-format reports. In real-time, the DP-360 displays the modulation constellations, spectrum, and MER measurements for the selected channels.

## Four Independent Channels for Greater Efficiency

The DP-360 can simultaneously analyze up to four single or bonded upstream channels and up to eight single or bonded downstream channels, giving you fast, uninterrupted access to all data on the DOCSIS network.

Use the system's real-time channel-filtering features to zero-in on the specific DOCSIS message types and MAC addresses you need, when you need them. Benefit from complete flexibility for channel placement, burst, constellation, and spectral displays for upstream, downstream, and MER values for each channel.

## Additional Features

- Demodulation of North American and EuroDOCSIS (J.83) 64-QAM and 256-QAM signals in the downstream
- Demodulation of QPSK, 8-PSK, 16-QAM, 32-QAM, 64-QAM and 128-QAM (in TCM mode S-SCDMA only) signals in the upstream
- Isolate constellation displays by MAC, SID and IUC
- Multiple units can be synchronized for 8x4
- Robust internal PC for complete self-contained test solution



*Easily capture, filter, display and analyze your DS and US data in real-time*

CANADA ■ UNITED STATES ■ MEXICO ■ JAPAN

Toll-free in North America: +1 877-842-7577
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**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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