



# Blonder Tongue

# MTSA-PRO

MPEG Transport Stream Analyzer  
ASI/RF/IP to USB

## SOLUTIONS FOR ALL YOUR APPLICATIONS

**MTSA-PRO** (MPEG Transport Stream Analyzer) is a versatile compact portable device used to capture, analyze and/or generate MPEG ASI transport streams.

The MTSA-PRO features a DVB-ASI input/output, an RF input and a USB interface to connect to a PC. Powerful, feature rich PC software is included to provide professionals the must-have tools necessary for analyzing MPEG equipment and related networks.

New software release includes support of HEVC (H.265), in addition to existing MPEG-2 and H.264.



### Features

- Real time analysis via RF/ASI/IP input and TS file
- Single DVB-ASI input and single DVB-ASI output adapter for USB (half duplex)
- MPEG TS analysis and capture with HEVC support
- USB 2.0, bus powered, no power supply required
- ATSC, DVB-C, DVB-T and OpenCable DTV standards compliant
- ETSI TR 101 290 Priority with real-time 4 stage error monitoring reporting and error logging.
- Diagnostic and verification of MPEG designs
- PCR & PTS analysis, arrive time graphing, measurement display and jitter analysis
- HEVC Codec support (selectable decoding options based on operating system)
- Subtitle support
- Closed Caption Decoding (CEA 608/ CEA 708)
- Triggered recording
- Data rate analysis
- Table and packet views
- SI/PSI & PSIP view and interval analysis
- CAS view: ECM and EMM repetition rate and update time
- PES header analysis
- Real-time A/V decoding
- Modulation Error Rate (MER)
- Received Signal Strength Indicator (RSSI)
- SCTE-35 marker detection
- File loopback feature for continuous replays
- RF input scan feature identifies active channels

### Ordering Information

Model	Stock #	Description
MTSA-PRO	3726	MPEG Transport Stream Analyzer; ASI/RF/IP to USB

# Specifications

## Input

<b>ASI/SMPTE-310M</b>	<b>Connectors:</b> 1x BNC; 75Ω <b>Standard:</b> DVB-ASI <b>Bitrate:</b> 0~108Mbps (in 1bps step) <b>Mode:</b> 188/192/204/208 bytes packet mode
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<b>RF Demod</b>	<b>Connector:</b> 1x F 75Ω <b>Freq Range:</b> 57-1000 MHz <b>Level Min:</b> -15 dBmV QAM256B -20 dBmV QAM64B -30 dBmV 8VSB
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## Output

<b>ASI/SMPTE-310M</b>	<b>Connectors:</b> 1x BNC; 75Ω <b>Standard:</b> DVB-ASI SMPTE-310M <b>Bitrate:</b> 0~108Mbps (in 1bps step) <b>Mode:</b> 188/192/204/208 bytes packet mode
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## General

<b>Dimensions (W x D x H):</b>	6.06" x 3.89" x 1.12" (154mm x 100mm x 29mm)
<b>Weight:</b>	0.5 lbs. (227g)
<b>Power:</b>	USB 2.0 powered; no power supply required
<b>OS Supported:</b>	Windows 7

## Software

<b>TS Input:</b>	ASI, SMPTE-310M, File, IP (UDP/TS or UDP/RTP/TS), RF
<b>TS Out:</b>	0~108Mbps (in 1bps step)
<b>Analysis Mode:</b>	188/192/204/208 bytes packet mode
<b>7 analysis Window Tab:</b>	Service, PID, Table, Service View, Bit-rate, TR 101 290, Table History
<b>Closed Caption Real-time Decoder</b>	

**Recommended System Requirements:** CPU better than Intel Core i3; more than 2 GB RAM; Windows 7

The screenshot displays the software's main interface. At the top, there is a toolbar with icons for Play, Pause, Stop, Record, File, ASI, ATSC, Services, PID, Table, Service View, Bitrate, TR101290, Table History, Clear, and Settings. Below the toolbar, the interface is divided into several panes:

- Services PID Table:** A list of PID information for 30 services, including PAT, MPEG-2 Video, AC-3 Audio, and PMT, with their respective bitrates and percentages.
- Service View:** A window showing the selected service (4-1 WNBC) and its components (MPEG-2 Video, AC-3 Audio, and Closed-Caption).
- Video Playback:** A window showing a live video feed from NBC News with a subtitle: "GARDEN NOW WILL GIVE YOU THE BENEDICTION TO YOU AND TO THE".
- PTS-PCR Graph:** A graph showing the timing of PTS and PCR for the selected service, with a Y-axis from 0 to 1000 ms and X-axis from 0 to 663 ms.
- System TR 101 290 Summary:** A summary of the system's performance, including a System Event Log.