

MPEG-2 Network Analyzer

MNA 1420 Mongoose

The MNA 1420 MPEG-2 Network Analyzer provides you with an affordable, and easy-to-use MPEG-2 analyzer that is completely portable for the variety of field applications. It provides critical information on MPEG-2 transport stream for quick, in the field, real time debugging.

Applications:

- DTV system troubleshooting
- Deployment of new equipments
- System integration
- Monitor, in real time, incoming Transport Stream
- ASI or SMPTE310M inputs for all your testing needs
- Data link measurement of ASI and SMPTE310M signals
- DVB priority 1 analysis
- SI and PSIP table repetition rate monitoring
- Bitrate monitoring of PID's and programs
- Logging of errors
- Easy to read LED's and display for quick troubleshooting
- Portable and battery operated



Specifications

ASI Input Signal:

Bitrate:	270 Mbits/s
Maximum TS bitrate:	98 Mbits/s
Standard:	DVB-ASI EN50083-9 (V2:3/98)
Connection:	BNC 75 Ohms
Level measurement:	200 to 1500 mV with 10mV accuracy
Bitrate measurement:	27Mhz +/- 10000Hz with 540 Hz accuracy

SMPTE310M Input Signal:

Bitrate:	19.392658 Mbits/s
Standard:	SMPTE310M
Connection:	BNC 75 Ohms
Level measurement:	200 to 1500 mV with 10mV accuracy
Bitrate measurement:	19.392658 Mbits/s +/- 500 bits with 49 bits accuracy

The MNA 1420 will auto detect ASI or SMPTE310M input

Transport Stream Measurements:

DVB Priority 1 error measurements:

TS_sync_error	Synch_byte_error	Transport_error
Continuity_count_error	PAT_error	PMT_error
Number of programs:	20	
TS bitrate accuracy:	+/- 816bits/s	
Logging:	1024 events	
TS error counter:	9999 errors max	

SI and PSIP Measurement:

DVB and ATSC table repetition from 100ms to 65000ms with 10ms accuracy.

ATSC tables:

-PAT -PMT -MGT -RRT -STT -ETT -TVCT -EIT

DVB tables:

-NIT -SDT -EIT's -TDT -TOT -RST

General:

-Local control:	Keypad and local UI
-Display:	Graphic display 128x128
-Size:	11.5" x 4.25" x 2.25"
-Weight:	2 lbs 7 oz
-Battery time:	>5 hours
-Buzzer:	1000Hz tone

For more information call:

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