



RF AND IPTV VERSIONS

THE LATEST BROADCAST TECHNOLOGIES

ATSC 3.0

ISDB-T

DVB-S2x...

NEXT-GENERATION BROADCAST ANALYZERS

AND PORTABLE ANALYZERS FOR IP ENVIRONMENTS

ATLAS

ATLAS IP

www.promaxelectronics.com



SRT SECURE RELIABLE
TRANSPORT

SMPTE ST2110

SPECIFICATIONS	ATLAS IP - PORTABLE ANALYZER FOR BROADCAST ENVIRONMENTS	ATLAS NG - NEXT GENERATION SPECTRUM AND BROADCAST ANALYZER
BROADCAST STANDARDS		DVB-T, DVB-T2 (T2-base, T2-lite), ISDB-T/Tb (full seg / 1seC), ATSC 1.0, ATSC 3.0, DAB, DAB+ DVB-C, DVB-C2, J.83 annex-B, 16/64/256-QAM DVB-S, DVB-S2 VCM/ACM/CCM, DVB-S2x, DSS, QPSK Analogue terrestrial (PAL, SECAM, NTSC), FM RDS
AUDIO CODECS	MPEG-1, MPEG-2, AAC, HE-AAC, Dolby Digital (DD), Dolby Digital Plus (DD+), Dolby AC-4	
VIDEO CODECS	MPEG-1, MPEG-2, MPEG-4 / H.264 (CBP, MP, High Profile Level 5.2), HEVC / H.265 4k UHD (Main Profile Level 5.1 8b/10b)	
INPUTS AND OUTPUTS	- ASI/SDI input and output (BNC-F, 75 Ω 3 Gbps) - SFP+ connector - Analogue A/V input (jack 3.5 mm) - HDMI™ output v1.4b up to 3840x2160 px 30 Hz - USB 2.0 master/device (Typo C). Storage and remote commands - Ethernet: webControl and remote commands - Optical input (FC/APC, female) - IPTV input (RJ45) 10/100/1000 Mbps - Stereo output (jack 3.5 mm) - USB 3.0 host (A-type, USB-CDC devices) - CAM (DVB-CI compliant, module input) - Double SIM card slot (optional)	Also includes: - Universal RF input (N-type, female 50 Ω) - 1 PPS / 10 MHz reference input
FUNCTIONS	- SMPTE ST2110 measurem. (optional) - SRT measurements - 4K decoder - Screenshots - Service Recording - Task planner - Remote control (webControl) - Video/Audio Streaming - TS recording - TS analysis - IPTV multicast measurement and decoding - Eye diagram (HD-SDI, 3G-SDI) - ALP recording - Full band optical power measurement - 8 GB internal memory, expandable via USB	Also includes: - Constellation diagram - LTE ingress test - Dynamic echoes analysis - DiSeqC 2.x generator - StealthID (instant identification of tuning parameters) - PLS (Physical Layer Scrambling) - Ultra fast spectrum analyzer - MAX and MIN hold - RM RFS measurement and decoding - Datalogger - Beacon-Flyaways SNG and VSAT - Wideband LNB - WiFi - LTE 1.8 GHz - Field strength - Merogram - Spectrogram - Signal monitoring - MER by carrier - GPS (included) coverage analysis - SCAN + TILT - Shoulder attenuation - Network delay - DVB-2 MI analysis - Carrier Frequency Drift Test
SPECTRUM ANALYZER Spectrum analyzer mode TV mode Measurement margin Span (depending on band) Resolution bandwidths		From 5 MHz to 6 GHz From 5 to 1000 MHz (Terrestrial) / From 250 to 3000 MHz (Satellite) 1 to 130 dBμV (5 MHz to 3 GHz) / 10 to 130 dBμV (3 to 4.425 GHz) 11 to 130 dBμV (4.425 to 6 GHz) User-defined / 10 / 20 / 50 / 100 / 200 / 500 / 1000 / 3000 MHz / Full span 2, 10, 20, 30, 40, 100, 200, 1000 kHz
INTERNAL STORAGE	8 GB for measurement protocols, screenshots and transport stream recordings	
REMOTE CONTROL	Remote commands. webControl interface (IP control input and WiFi) and SNMP protocol (IP control input and WiFi)	
GENERAL	Color 10,1" TFT 16:9 screen. 850 cd/m². Multitouch user interface.	
POWER SUPPLY	> 4 h with Smart power management	
INCLUDED ACCESSORIES	Audio/Video jack cable, DC Adapter+cable, Car lighter adapter, Transport belt, Pouch, Transport case, Monopode	WiFi antenna, WiFi dongle, RF adapters, GPS, Audio/Video jack cable, DC Adapter+cable, Car lighter adapter, Transport belt, Pouch, Transport case, Monopode

OPERATING MODES	ATLAS IP - PORTABLE ANALYZER FOR BROADCAST ENVIRONMENTS
IPTV multicast/unicast SD/HD/3G-SDI ASI-TS	More than 20 measurements (including Jitter, Packet rate, Histogram + jitter, Inter Packet Arrival Time). Multicast. T2MI&BTS reception. 3 Gbps input/output. Eye statistical diagram, CRC error detection, 16 AES3 audio channel monitoring, 1080p 60 pattern chart. TS, T2MI and BTS support

OPERATING MODES	ATLAS NG - NEXT GENERATION SPECTRUM AND BROADCAST ANALYZER
Spectrum analyzer IPTV multicast/unicast SD/HD/3G-SDI WiFi 802.11 ac/a/b/g/n analyzer ASI-TS 4G/5G telephony (optional)	Power measurement, C/N, Frequency, max/min traces hold. Includes 4 delta markers with frequency and level measurement. More than 20 measurements (including Jitter, Packet rate, Histogram + jitter, Inter Packet Arrival Time). Multicast. T2MI&BTS reception. 3 Gbps input/output. Eye statistical diagram, CRC error detection, 16 AES3 audio channel monitoring, 1080p 60 pattern chart. Spectrum analyzer + WiFi dongle. RSSI, Access point occupancy, SNR, Noise TS, T2MI and BTS support Dual SIM. Uplink/Downlink bands indication over the spectrum. Measurements: RSSI, RSRP, RSRQ, SINR, SRXLEV.

OPTIONS	ATLAS IP	ATLAS NG
OP-006-PS Optical fibre: Selective optical power meter + optical to RF converter	Available	Available
OP-006-FM Advanced measurements for FM radio		Available
OP-006-DAB Advanced measurements for DAB/DAB+ digital radio		Available
OP-006-T 4G/5G measurements		Available
OP-006-OT Optical SDI and ASI output	Available	Available
OP-006-OR Optical SDI and ASI input	Available	Available
OP-006-XX SMPTE ST2110 measurements	Available	Available