



TV EXPLORER NG



THE NEXT GENERATION
OF THE INDUSTRY LEADING TV ANALYZER

WITH STANDARD 4K ULTRA HD
AND MAIN WORLDWIDE STANDARDS COMPATIBILITY

www.promaxelectronics.com

INTRODUCING THE INDUSTRY LEADING TV ANALYZER. **AGAIN.**



DVB-T/C/S

DVB-T2/C2/S2

DVB-S2X

ISDB-T

ATSC 3.0

4K

Dolby



A NEW SCENARIO A NEW TV EXPLORER

DTT and the TV EXPLORER go hand-in-hand: The TV analyzer that powered the shift to digital broadcasting.

Today, in a fully digital world driven by 4K adoption and the arrival of DVB-S2x (*), DVB-T2, and ATSC 3.0 (*), we present the TV EXPLORER NG. Benefit from seamless compatibility with the latest broadcasting standards, right out of the box.

NATIVE 4K DECODER WITH NO PERFORMANCE LOSS

The TV EXPLORER NG offers full compatibility with HEVC H.265 and delivers smooth video decoding, even in UHD 4K HDR 10-bit.

HBBTV COMPATIBLE

Introducing URL discovery functionality for enhanced online content consumption on supported Smart TV platforms.



(*) Support for DVB-S2x, ATSC 1.0 and ATSC 3.0 is optional



SIMPLE LIKE A TV EXPLORER AGILE AS YOUR SMARTPHONE

Tap and drag. It's that easy. The new multi-touch screen user interface is as intuitive as an instrument should feel today. And with instant response.

**INCLUDES PROTECTIVE CASE
WITH ERGONOMIC HAND STRAP**





**LIGHT AS A
TV EXPLORER
POWERFUL AS A
HIGH-END DEVICE**



**GET INSTANT
MEASUREMENT
REPORTS
AND STAY COMPLIANT
WITH MAJOR
GOVERNMENT
REGULATIONS**

MULTI-CORE PROCESSOR FOR AN ULTRA FAST SPECTRUM

Experience surprisingly fast sweep speeds for a device in this price range. Plus, the multi-touch screen transforms your workflow into an entirely new experience.



SMART BATTERY UP TO FOUR HOURS OF POWER

The intelligent power management system provides you with a precise estimate of your remaining battery time. Focus on what matters: The TV EXPLORER NG manages the power for you!



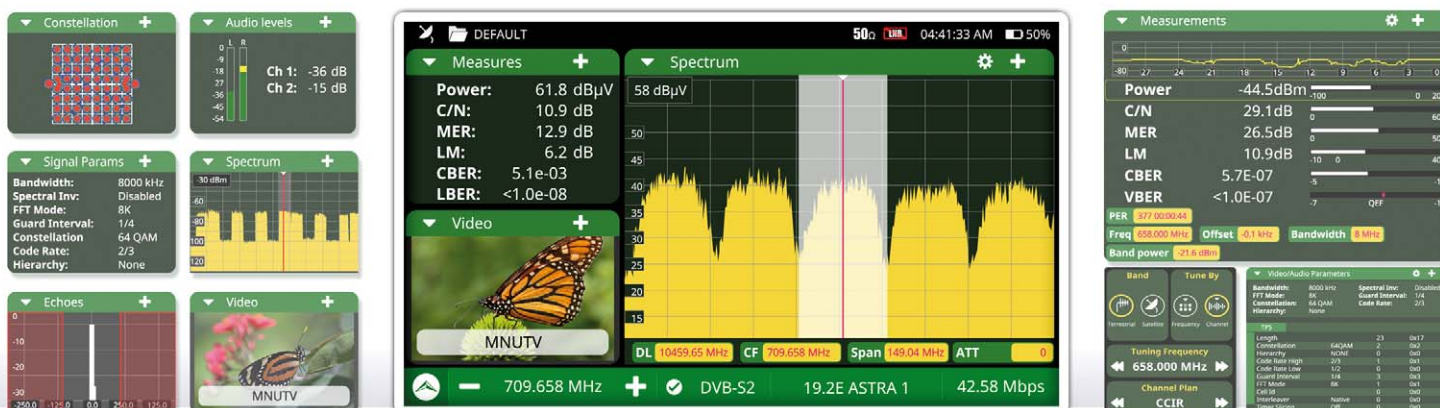
YOUR WORKFLOW YOUR INTERFACE

The widget-based user interface empowers you to display and control up to three functions simultaneously. With simple taps, you can swap widgets and instantly reshape your workflow. Unlock a new realm of efficiency and personalization, where your meter becomes an extension of your unique way of working.

INCLUDES WiFi 2.4G ANALYZER



SCALE, CUSTOMIZE, AND ALLOCATE ON-SCREEN WIDGETS



SPECTRUM ANALYSIS MADE EASIER WITH MULTI-TOUCH CONTROL

No more fiddling with SPAN, reference levels, or navigating with buttons. Adjust the spectrum with the simple touch of your fingers. Just like using your mobile phone.



ALL THE TECH YOU REQUIRE, INCLUDED INVEST SMART

Longer lasting, fully featured: The TV EXPLORER NG delivers an unmatched lifecycle and integrates all the standards you demand.

OPTICAL POWER METER INCLUDED



DIGITAL TV DECODER
FEATURING NATIVE 4K

SPECTRUM ANALYZER
100% TACTILE CONTROL

SIGNAL MEASUREMENTS
ALL MEASUREMENTS IN ONE SCREEN

DIGITAL PARAMETERS
AUTOMATIC IDENTIFICATION

AUDIO LEVELS
ON-SCREEN METERS

AUDIO/VIDEO PARAMETERS
ANALYSIS OF THE RECEIVED FORMAT

CONSTELLATION DIAGRAM
DETECTING PROBLEMS AT A GLANCE

DYNAMIC ECHOES
A MUST-HAVE FOR ANTENNA AIMING

EXPANDED FEATURES LIMITLESS POSSIBILITIES

MER BY CARRIER
DETECTING HARD-TO-SEE IMPAIRMENTS

TS AND ALP RECORDING
FOR DIAGNOSTICS AND AUDITS

CHANNEL EXPLORATION
DETECT THE SIGNALS IN BAND

DATALOGGER
WITH MEASUREMENT REPORTS

DRIVE TEST
SIGNAL COVERAGE IN 3D MAPS

BLIND SCAN CREATE CHANNEL PLANS
WITH NO PRIOR INFORMATION

FM DISCOVERING
AUTO DETECTION OF ALL THE STATIONS

ATTENUATION TEST
AMPLIFIERS ADJUSTMENT

GLOBAL COMPATIBILITY WORLDWIDE OPERATIONAL CAPABILITY

The TV EXPLORER NG is usable in virtually any country worldwide, as it natively supports the most prevalent television standards. This includes DVB-S2x for satellite, DVB-T2 for terrestrial broadcasting, and the novel ATSC 3.0 (*) for digital terrestrial television in North America.

(*) Support for DVB-S2x, ATSC 1.0 and ATSC 3.0 is optional



ADVANCED OPTIONS TO BOOST YOUR TV EXPLORER



ATSC 3.0™

It can optionally include ATSC 1.0 and ATSC 3.0 decoders for the USA and other nations such as Brazil.



FM RADIO AND DIGITAL DAB / DAB+ OPTIONAL ADVANCED FUNCTIONS

An ideal choice for field technicians working with both digital and analog radio coverage. This solution offers advanced measurements, including CBER on MSC and FIC for digital DAB radio, plus MPX and Left/Right balance measurements for FM.

OPTIONAL FTTH SELECTIVE METER

The selective triple-wavelength measurement (1310, 1490, 1550 nm) makes the TV EXPLORER NG a field strength meter for copper and fiber that complies with many worldwide regulations.



COVERAGE ANALYSIS 3D MAPS WITH GPS

Precisely identify transmitter shadow areas with geo-located drive test data, presented visually on a 3D map.

SPECIFICATIONS	TV EXPLORER NG - MULTISTANDARD UNIVERSAL TV ANALYZER
BROADCAST STANDARDS	DVB-T, DVB-T2 (T2-base, T2-lite), ISDB-T/Tb (full seg / 1sec) DVB-C, DVB-C2, J.83 annex-B, 16/64/256-QAM DVB-S, DVB-S2 VCM/ACM/CCM, DSS, DVB-S2x (optional) Analogue terrestrial (PAL, SECAM, NTSC)
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	- Universal RF input (F-type, 75 Ω) - Analogue audio/video input (jack 3.5 mm) - HDMI™ output (v1.4b up to 3840x2160 pixels @30 Hz) - USB 2.0 master/device (Type C). Mass storage and remote control commands - Ethernet (RJ45) for webControl and remote control commands - Optical input (FC/APC, female) - Stereo headphone audio output (jack 3.5 mm) - USB 3.0 host (A-type, USB-CDC devices)
FUNCTIONS	- Constellation diagram - Dynamic echoes analysis - StealthID (instant identification of tuning parameters) - PLS (Physical Layer Scrambling) - Ultra fast Spectrum analyzer - 4K decoder - MAX and MIN hold - FM RDS measurement and decoding (optional) - Screenshots and Datalogger for measurement reports - WiFi - Remote control (webControl) - MER by carrier - GPS (included) coverage analysis - TS recording - ALP recording - Full band optical power measurement - 8 GB internal memory, expandable via USB - FM stations discovering (optional). - Blind Scan search.
SPECTRUM ANALYZER Noise floor Reference level Dynamic margin Span Resolution bandwidths Measurement functions	From 5 to 1000 MHz (Terrestrial) / From 950 to 2150 MHz (Satellite) 10 dBμV 130 dBμV max. 60 dB User-defined / 10 / 20 / 50 / 100 / 200 / 850 MHz / Full span (depending on band) 100 kHz MAX/MIN Hold, heat map
MEASUREMENT MODE DVB-T (COFDM) DVB-T2 Base y Lite (COFDM) ISDB-T (COFDM) DVB-C (QAM) DVB-C2 (QAM) J83 Annex B (QAM) ATSC 1.0 (8VSB) ATSC 3.0 (COFDM) DVB-S (QPSK) DVB-S2 (QPSK, 8PSK 16/32 APSK) DVB-S2x (QPSK, 8PSK, 8/16/32/64/128/256 APSK/APSK-L) DSS (QPSK) PAL, SECAM y NTSC (analog TV) FM RDS radio (optional) DAB/DAB+ radio (optional)	Power (20 dBμV - 130 dBμV), CBER, VBER, MER, C/N, Wrong packets, Link Margin Power (20 dBμV - 130 dBμV), CBER, C/N, LBER, MER, Link Margin, BCH ESR, Iteraciones LDP, Wrong packets Power (20 dBμV - 130 dBμV), CBER, VBER, MER, C/N, Wrong packets, Link Margin Power (20 dBμV - 130 dBμV), BER, MER, C/N, Wrong packets, Link Margin Power (20 dBμV - 130 dBμV), CBER, MER, C/N, LBER, BCH ESR, Iteraciones LDP, Wrong packets Power (20 dBμV - 130 dBμV), BER, MER, C/N, Wrong packets, Link Margin Power (20 dBμV - 130 dBμV), SER, VBER, MER, Wrong packets, C/N, Link Margin Power (20 dBμV - 130 dBμV), CBER, MER, Wrong packets, C/N, LBER, BCH ESR Power (35 dBμV - 127 dBμV), CBER, VBER, MER, C/N, Link Margin Power (35 dBμV - 127 dBμV), CBER, LBER, MER, Wrong packets, C/N, BCH ESR, Link Margin Power (35 dBμV - 127 dBμV), CBER, LBER, MER, Wrong packets, C/N, BCH ESR, Link Margin Power (35 dBμV - 115 dBμV), CBER, VBER, MER, C/N, Wrong packets, Noise margin Level, C/N, V/A (M/N/B/G/I/D/K/L) MPX Deviation and Power, Level, C/N, Offset, Freq. deviation (L, R, L+R, L-R, MPX, RDS, Pilot), Level (L, R, L-R, L+E MPX), RDS data Power, C/N, MER, CBER, MSC CBER, FIC CBER, FIB RATIO, Offset, Bandwidth
OPERATING MODES TV analyzer WiFi 802.11 ac/a/b/g/n Monitor TV	WiFi dongle. RSSI, Access point occupancy, SNR, Noise
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 7" TFT 16:9 screen. Multitouch user interface. DiSEqC 2.x generator (DiSEqC 1.2 commands implemented). dCSS/SCD2 (EN50607) and SATCR/SCD (EN50494)
POWER SUPPLY	> 4 h with Smart power management
OPTIONS	ATSC 1.0 and ATSC 3.0 standards. Optical fibre: Selective optical power meter DAB/DAB+ digital radio advanced measurements FM radio advanced measurements Signal coverage analysis (drive test) with GPS

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE. 07/25

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