



# 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](http://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 ATSC 1.0 and ATSC 3.0 is optional

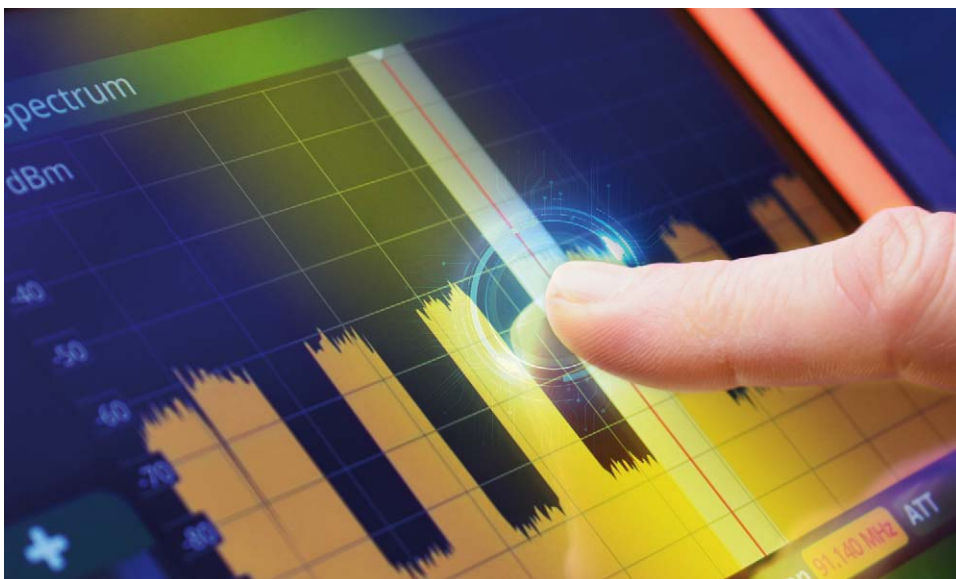




## SIMPLE LIKE A TV EXPLORER AGILE AS YOUR SMARTPHONE

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**







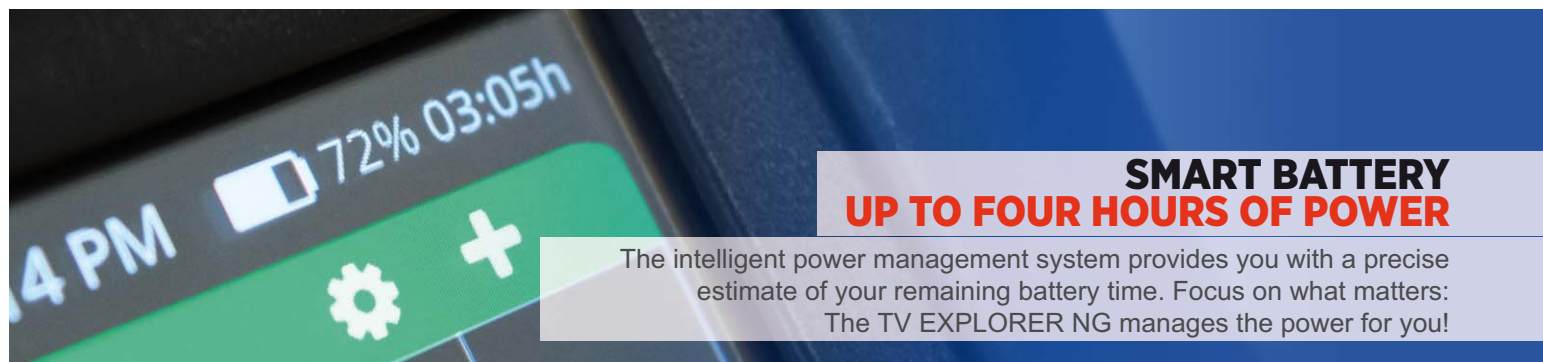
**LIGHT AS A  
TV EXPLORER  
POWERFUL AS A  
HIGH-END DEVICE**



**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!

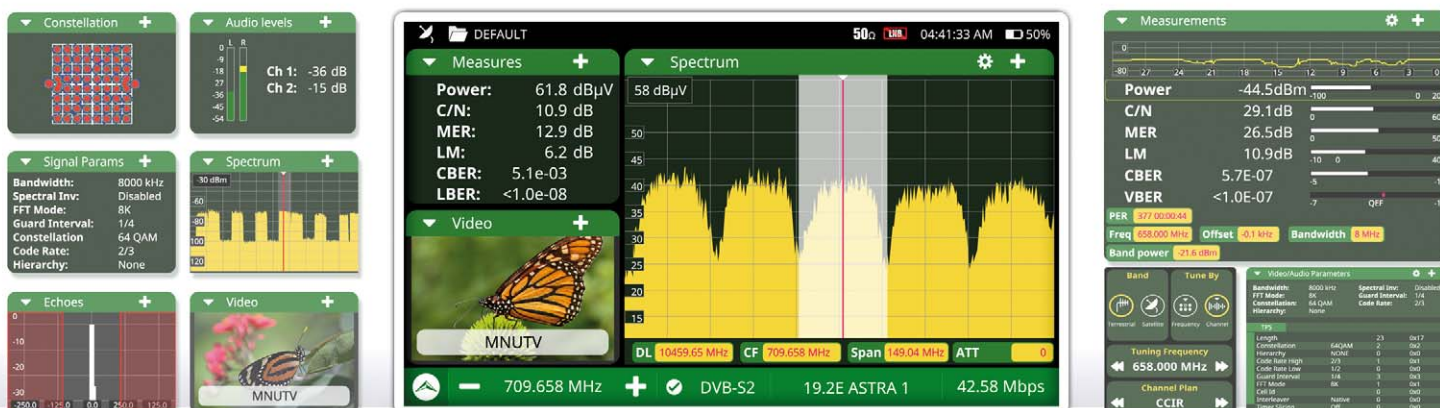
## YOUR WORKFLOW YOUR INTERFACE

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

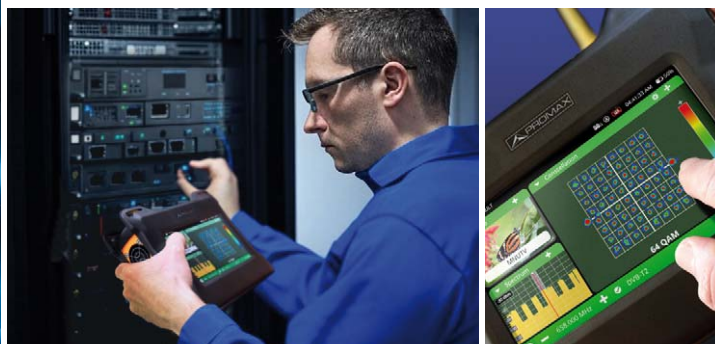
## GLOBAL COMPATIBILITY WORLDWIDE OPERATIONAL CAPABILITY

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 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

Beyond the built-in FM and DAB/DAB+ radio decoder, advanced measurement features are offered for these radio systems, allowing for in-depth network diagnostics. The ideal partner for field engineers.

## 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
<b>BROADCAST STANDARDS</b>	DVB-T, DVB-T2 (T2-base, T2-lite), ISDB-T/Tb (full seg / 1sec), DAB, DAB+ DVB-C, DVB-C2, J.83 annex-B, 16/64/256-QAM DVB-S, DVB-S2 VCM/ACM/CCM, DVB-S2x, DSS Analogue terrestrial (PAL, SECAM, NTSC), FM RDS
<b>AUDIO CODECS</b>	MPEG-1, MPEG-2, AAC, HE-AAC, Dolby Digital (DD), Dolby Digital Plus (DD+), Dolby AC-4
<b>VIDEO CODECS</b>	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)
<b>INPUTS AND OUTPUTS</b>	<ul style="list-style-type: none"> <li>- Universal RF input (BNC, female 75 Ω)</li> <li>- Analogue audio/video input (jack 3.5 mm)</li> <li>- Salida HDMI™ (v1.4b hasta 3840x2160 pixels @30 Hz)</li> <li>- USB 2.0 master/device (Tipo C). Mass storage and remote control commands</li> <li>- Ethernet (RJ45) for webControl and remote control commands</li> <li>- Optical input (FC/APC, female)</li> <li>- Stereo headphone audio output (jack 3.5 mm)</li> <li>- USB 3.0 host (A-type, USB-CDC devices)</li> </ul>
<b>FUNCTIONS</b>	<ul style="list-style-type: none"> <li>- Constellation diagram</li> <li>- Dynamic echoes analysis</li> <li>- StealthID (instant identification of tuning parameters)</li> <li>- PLS (Physical Layer Scrambling)</li> <li>- Ultra fast Spectrum analyzer</li> <li>- 4K decoder</li> <li>- MAX and MIN hold</li> <li>- FM RDS measurement and decoding</li> <li>- Screenshots and Datalogger for measurement reports</li> <li>- WiFi</li> <li>- Remote control (webControl)</li> <li>- MER by carrier</li> <li>- GPS (included) coverage analysis</li> <li>- TS recording</li> <li>- ALP recording</li> <li>- Full band optical power measurement</li> <li>- 8 GB internal memory, expandable via USB</li> <li>- FM stations discovering.</li> <li>- Blind Scan search.</li> </ul>
<b>SPECTRUM ANALYZER</b> Noise floor Reference level Dynamic margin Span Resolution bandwidths Measurement functions	From 5 to 1000 MHz (Terrestrial) / From 950 to 2180 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
<b>MEASUREMENT MODE</b> 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 (TV analógica) FM RDS radio DAB/DAB+ radio (advanced option)	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) Level, C/N, RDS information Power, C/N, MER, CBER, MSC CBER, FIC CBER, FIB RATIO, Offset, Bandwidth
<b>OPERATING MODES</b> TV analyzer WiFi 802.11 ac/a/b/g/n Monitor TV	WiFi dongle. RSSI, Access point occupancy, SNR, Noise
<b>INTERNAL STORAGE</b>	8 GB for measurement protocols, screenshots and transport stream recordings
<b>REMOTE CONTROL</b>	Remote commands. webControl interface (IP control input and WiFi) and SNMP protocol (IP control input and WiFi)
<b>GENERAL</b>	Color 10,1" TFT 16:9 screen. 850 cd/m². Multitouch user interface. DiSEqC 2.x generator (DiSEqC 1.2 commands implemented). dCSS/SCD2 (EN50607) and SATCR/SCD (EN50494)
<b>POWER SUPPLY</b>	> 4 h with Smart power management
<b>OPTIONS</b>	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. 04/25

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