

## TV & SPECTRUM ANALYZERS FOR ANY BUDGET



**H.265**  
H.265 HEVC analyzer and decoder



Wi-Fi networks analyzer



T2-MI signal measurements



Transport Stream recorder and analyzer



Full remote control (webControl)



Digital Audio Broadcast radio



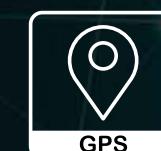
Optical Power Meter and RF converter



CI Slot for encrypted channels



Digital Channel Stacking Switch LNB (dCSS)



GPS for signal coverage analysis



Extended IPTV functions



Up to 6 GHz spectrum analyzer



Ultra HD image decoding and display



HbbTV service information

HD RANGER Eco	HD RANGER UltraLite
DVB-T2, DVB-C2, DVB-S2, DSS	
Super spectrum analyzer	
Triple split display	
Dolby Digital Plus	
Dynamic echoes analyzer	
<b>HD RANGER UltraLite</b>	
Tablet size	
The lightest in range	
<b>VERSION</b>	<b>DVB</b>

**⚠ Please note HD RANGER Eco and HD RANGER UltraLite do not belong to RANGER Neo series**

RANGER Neo Lite
Touch screen
HEVC H.265 decoding
Wide band LNB compatibility
Wi-Fi analyzer
<b>VERSIONS</b>
<b>DVB   ISDB-T</b>
<b>DVB   ISDB-T   ATSC</b>

RANGER Neo +
Web Server remote control
Merogram and Spectrogram
Fibre optics and GPS options
More than 4 hours battery time
<b>VERSIONS</b>
<b>DVB   ISDB-T</b>
<b>DVB   ISDB-T   ATSC</b>

RANGER Neo 2
IPTV analyzer
High resolution filters
TS-ASI input and output
Common Interface slot
Transport Stream recorder/player
Transport Stream analyzer
<b>VERSIONS</b>
<b>DVB   ISDB-T</b>
<b>DVB   ISDB-T   ATSC</b>

RANGER Neo 3
Network Delay Margin (DVB)
T2-MI analysis
GPS for drive test measurements
<b>VERSION</b>
<b>DVB   ISDB-T</b>

RANGER Neo 4
4K decoder
<b>VERSION</b>
<b>DVB   ISDB-T</b>

ATLAS
10.1" multitouch screen
New spectrum analyzer up to 6 GHz
DVB-S2x and ATSC 3.0 included
Multicast/unicast multistream analysis
SDI analysis
4K H.265 10-bit decoder
Basic Optical Fibre measurements
<b>VERSION</b>
<b>DVB   ISDB-T   ATSC   ATSC 3.0</b>



Included     Optional

ATLAS	3 & 4 Neo 4	2	+	Lite	HD RANGER UltraLite & Eco
4K detection	✓	✓	✓	✓	✓
4K decoder	✓	✓	✓	✓	✓
HEVC H.265 decoder + 4K Frame Grabber	✓	✓	✓	✓	✓
H.265 identifier	✓	✓	✓	✓	✓
HbbTV Information	✓	✓	✓	✓	✓
H.265 10 bit	✓	✓	✓	✓	✓
Touch screen	✓	✓	✓	✓	✓
10.1" Multitouch screen	✓				
Wide band LNB Compatibility (wbLNB)	✓	✓	✓	✓	✓
2.4 GHz Wi-Fi analyzer + 1.8 GHz LTE	✓	✓	✓	✓	✓
OTT	✓	✓	✓	✓	✓
HDMI output	✓	✓	✓	✓	✓
Video/Audio input	✓	✓	✓	✓	✓
Battery time	> 4 h	> 4 h	> 4 h	> 2 h	> 2 h
Resolution filters 200 kHz, 1 MHz	✓	✓	✓	✓	
Resolution filters 2, 10, 20, 30, 40 kHz	✓	✓	✓		
Echoes analysis	✓	✓	DVB-T/T2/C2	DVB-T/T2/C2	DVB-T/T2/C2
Constellation diagram	✓	✓	✓	✓	✓
webControl and Video/Audio Streaming	✓	✓	✓	✓	✓
Spectrogram	✓	✓	✓	✓	
DVB-T/T2: Merogram and MER by carrier	✓	✓	✓	✓	
SCAN + TILT	✓	✓	✓	✓	
IPTV analyzer	✓	✓	✓		
IPTV VLAN, Multistream multicast/unicast analysis	✓				
TS-ASI I/O and recording, TS analysis and recording	✓	✓	✓		
Common Interface (encrypted channels)	✓	✓	✓		
Shoulder attenuation measurement	✓	✓	✓	✓	
T2-MI and Network delay Margin (DVB)	✓	✓			
GPS for drive test	✓	✓	○	○	
Signal monitoring	✓	✓	✓	✓	
DAB/DAB+ channel plan	✓	✓	✓	✓	
Advanced DAB/DAB+ analyzer	○	○	○	○	
Advanced FM radio analyzer	○	○	○	○	
WiFi 5 GHz + LTE 2.6 GHz + aux RF input	○	○	○	○	
Optical power meter + Optical-to-RF converter + WiFi 5 GHz + LTE 2.6 GHz + aux RF input	○	○	○	○	
Optical power meter + Optical-to-RF converter	○				
4G/5G cellular measurements	○				
Optical ASI and SDI output	○				
Optical ASI and SDI input	○				
ATSC	✓		versión ATSC	versión ATSC	versión ATSC
ATSC 3.0	✓				
PSIP analysis and Closed Caption support	✓		versión ATSC		
ISDB-T standard + QAM annex B	✓	✓	✓	✓	✓
DVB-S/S2 + DSS + ACM/VCM + DVB-T/T2/C/C2	✓	✓	✓	✓	✓
DVB-S2x	✓				
SDI analyzer	✓				
Jitter measurement	✓				
New spectrum analyzer (up to 6 GHz, 4 markers)	✓				
Basic Optical Fiber features	✓				
Carrier frequency drift test	✓				
Soft carrying case	✓	✓	✓	✓	✓
Hard transport case	✓	✓	✓	✓	✓