

## A new breed of analyzers for a new world



- ✓ Included
- Optional

	RANGER Neo						HD RANGER			
	4 DVB ISDB-T	3 DVB ISDB-T	2 DVB ISDB-T	ATSC	+	ATSC	Lite DVB ISDB-T	ATSC	Ultra Lite DVB	Eco DVB
4K decoder	✓									
HEVC H.265 decoder + 4K Frame Grabber	✓	✓	✓	✓	✓	✓	✓	✓		
MPEG-2 and MPEG-4 H.264 decoder	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Touch screen	✓	✓	✓	✓	✓	✓	✓	✓		
Wide band LNB Compatibility (wbLNB)	✓	✓	✓	✓	✓	✓	✓	✓		
2.4 GHz Wi-Fi analyzer	✓	✓	✓	✓	✓	✓	✓	✓		
1.8 GHz LTE	✓	✓	✓	✓	✓	✓	✓	✓		
OTT	✓	✓	✓	✓	✓	✓	✓	✓		
Service recording	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HDMI output	✓	✓	✓	✓	✓	✓	✓	✓		
Video/Audio input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USB interface	2x Type A	2x Type A	2x Type A	2x Type A	2x Type A	2x Type A	2x Type A	2x Type A	1x Mini USB	1x Mini USB
Battery time	> 4 h	> 4 h	> 4 h	> 4 h	> 4 h	> 4 h	> 2 h	> 2 h	> 2 h	> 2 h
Resolution filter 100 kHz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Resolution filters 200 kHz, 1 MHz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Resolution filters 2, 10, 20, 30, 40 kHz	✓	✓	✓	✓						
Echoes analysis	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Constellation diagram	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
webControl and Video/Audio Streaming	✓	✓	✓	✓	✓	✓		✓	✓	✓
Spectrogram	✓	✓	✓	✓	✓	✓				
DVB-T/T2: Merogram and MER by carrier	✓	✓	✓	✓	✓	✓				
SCAN + TILT	✓	✓	✓	✓	✓	✓				
IPTV analyzer	✓	✓	✓	✓						
TS-ASI input and output	✓	✓	✓	✓						
TS analysis and recording	✓	✓	✓	✓						
Common Interface (encrypted channels)	✓	✓	✓	✓						
Shoulder attenuation measurement	✓	✓	✓	✓	✓	✓				
T2-MI	✓	✓								
Network delay Margin (DVB)	✓	✓								
GPS for drive test	✓	✓	●	●	●	●				
Signal monitoring	✓	✓	✓	✓	✓	✓				
Advanced DAB/DAB+ analyzer	●	●	●							
Advanced FM radio analyzer	●	●	●							
OPM + Optical-to-RF + WiFi 5G + LTE 2.6G + 6 G RF input	●	●	●	●	●	●				
WiFi 5 GHz + LTE 2.6 GHz + 6 GHz RF input	●	●	●	●	●	●				
ATSC standard				✓		✓		✓		
ISDB-T standard	✓	✓	✓	✓	✓	✓	✓	✓		
DVB-T/T2 standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DVB-S/S2, DSS and ACM/VCM standards	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DVB-C standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DVB-C2 standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
QAM annex B standard	✓	✓	✓	✓	✓	✓	✓	✓		
PSIP analysis				✓						
Closed Caption				✓						
Soft carrying bag	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hard transport case	✓	✓	✓	✓	✓	✓				

# RANGER<sup>Neo</sup> TV ANALYZERS



**4K**  
ULTRAHD

**H.265**

H-265 HEVC analyzer and decoder

**WiFi**

WiFi analyzer



T2-MI de-encapsulation and analysis



Transport stream recorder and analyzer



webControl  
via Ethernet port



Optional  
DAB and DAB+  
digital radio



Optional optical  
power meter and  
RF converter



Common  
Interface slot  
for encrypted  
channels



Digital Channel  
Stacking Switch  
LNB (dCSS)



Optional GPS  
for signal  
coverage  
analysis



Extended IPTV  
functions



Optional 6 GHz  
RF input



**HD RANGER Eco**

- DVB-T2, DVB-C2, DVB-S2, DSS
- Super spectrum analyzer
- Triple split display
- Dolby Digital Plus
- Dynamic echoes analysis
- DVB** version



**HD RANGER UltraLite**

- Tablet size
- The lightest in the range
- DVB** version



**RANGER Neo Lite**

- Touch screen
- HEVC H.265 decoder
- Wide band LNB Compatibility
- Wi-Fi analyzer
- DVB ISDB-T** versions
- DVB ISDB-T ATSC** versions



**RANGER Neo +**

- Web Server remote control
- Merogram and Spectrogram
- Fibre optics and GPS options
- More than 4 hours battery time
- DVB ISDB-T** versions
- DVB ISDB-T ATSC** versions



**RANGER Neo 2**

- IPTV analyzer
- High resolution filters
- TS-ASI input and output
- Common Interface slot
- Transport Stream recorder and player
- Transport Stream analyzer
- DVB ISDB-T** versions
- DVB ISDB-T ATSC** versions



**RANGER Neo 3**

- Network Delay Margin (DVB)
- T2-MI analysis
- GPS for drive test measurements
- DVB ISDB-T** version



**RANGER Neo 4**

- 4K decoder
- DVB ISDB-T** version

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