

A new breed of analyzers for a new world



- ✓ Included
- Optional

	RANGER <i>Neo</i>						HD RANGER			
	4	3	2	+		Lite		Ultra Lite	Eco	
	DVB ISDB-T	DVB ISDB-T	DVB ISDB-T	ATSC	DVB ISDB-T	ATSC	DVB ISDB-T	ATSC	DVB	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	✓	✓	✓	✓	✓	✓				
DAB/DAB+ digital radio	✓	✓	●	●	●	●				
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^{Neo} 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

DAB+

Optional
DAB and DAB+
digital radio



Optional optical
power meter and
RF converter

CAM

Common
Interface slot
for encrypted
channels



Digital Channel
Stacking Switch
LNB (dCSS)



Optional GPS
for signal
coverage
analysis

ip.tv

Extended IPTV
functions

6GHz

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 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 ATSC
versions



RANGER Neo 2



IPTV analyzer

High resolution filters

TS-ASI input and output

Common Interface slot

Transport Stream recorder and player

DVB ISDB-T ATSC versions



RANGER Neo 3



Network Delay Margin (DVB)

T2-MI analysis

GPS for drive test measurements

DAB/DAB+ digital radio

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.