

## A new breed of analyzers for a new world



RANGER Neo 4    RANGER Neo 3    RANGER Neo 2    RANGER Neo +    RANGER Neo Lite    HD RANGER UltraLite    HD RANGER Eco

✓ Included  
 ○ Optional  
 □ ALL VERSIONS  
 ■ DVB MODELS ONLY  
 ■ ISDB-T MODELS ONLY  
 ■ ATSC MODELS ONLY

	RANGER Neo 4	RANGER Neo 3	RANGER Neo 2	RANGER Neo +	RANGER Neo Lite	HD RANGER UltraLite	HD RANGER Eco
4K decoder	✓						
HEVC H.265 decod. + 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	1x Mini USB	1x Mini USB
Battery time	> 4 hours	> 4 hours	> 4 hours	> 4 hours	> 2 hours	> 2 hours	> 2 hours
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 and Merogram	✓	✓	✓	✓			
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	✓	✓					
GPS for drive test	✓	✓	○	○			
DAB/DAB+ digital radio	✓	✓	○	○			
5 GHz WiFi + 2.6 GHz LTE + 6 GHz RF in	○	○	○	○			
Optical measurements and optical to RF converter	○	○	○	○			
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			✓				

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE. 03/18

# 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

**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

**5GHz**

Optional 5 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** **ATSC** **ISDB-T**  
versions



**RANGER Neo +**

Web Server remote control

Merogram and Spectrogram

Fibre optics and GPS options

More than 4 hours battery time

**DVB** **ATSC** **ISDB-T**  
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** **ATSC** **ISDB-T** versions



**RANGER Neo 3**

Network Delay Margin

T2-MI analysis

GPS for drive test measurements

DAB/DAB+ digital radio

**DVB** version



**RANGER Neo 4**

4K decoder

**DVB** version



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