| SPECIFICATIONS | RANGER*Neo* Lite | RANGER*Neo* + | RANGER*Neo* 2 | RANGER*Neo* 3 | RANGER*Neo* 4 |
|---|---|---|---|---|---|
| DIGITAL BROADCAST STANDARDS | DVB-T/T2, DVB-T2 lite<br>DVB-C/C2<br>DVB-S/S2<br>DVB-S2 Multistream<br>DSS, ACM / VCM / CCM | ... Also includes:<br>DAB, DAB+ (optional) | ... Also includes:<br>MPEG-TS | ... Also includes:<br>DVB-T2-MI<br>DAB, DAB+ | |
| AUDIO CODECS | MPEG-1, MPEG-2, AAC, HE-AAC, Dolby Digital, Dolby Digital Plus | | | | |
| VIDEO CODECS | MPEG-2, MPEG-4 / H.264, HEVC / H.265 | | | | |
| INPUTS AND OUTPUTS | - Universal RF input 75 Ω<br>- HDMI output<br>- IP interface for remote control<br>- Analogue Video/Audio input<br>- 2xUSB (Type-A) for data transfering | | ... Also includes:<br>- ASI-TS input and output (BNC Female, 75 Ω)<br>- IPTV multicast input (UDP / RTP, RJ45)<br>- Common Interface slot | ... Also includes:<br>- 1 pps input | |
| FUNCTIONS | - Constellation diagram<br>- LTE ingress test<br>- Dynamic echoes analysis<br>- StealthID (instant identification of tuning parameters)<br>- PLS (Physical Layer Scrambling)<br>- Ultra fast spectrum analyzer (70 ms sweep time)<br>- 4K Frame grabber<br>- MAX and MIN hold<br>- FM RDS radio measurement and decoding<br>- Screenshots and Datalogger for meas.reports<br>- Beacon-Flyaways SND and VSAT<br>- Wideband LNB<br>- WiFi 2.4 GHz<br>- LTE 1.8 GHz<br>- OTT<br>- Service Recording<br>- Field strength measurement<br>- Task planner | ... Also includes:<br>- Merogram<br>- Spectrogram<br>- Signal monitoring<br>- Remote control (*webControl*)<br>- MER by carrier<br>- Video/Audio Streaming<br>- SCAN + TILT<br>- Shoulder attenuation | ... Also includes:<br>- TS recording<br>- TS analysis<br>- IPTV multicast measurement and decoding | ... Also includes:<br>- Network delay<br>- DVB-T2-MI analysis | ... Also includes:<br>- 4K decoder |
| SPECTRUM ANALYZER<br>Frequency Margin<br><br>Measurement range<br>Span<br>Resolution bandwidths | From 5 - 1000 MHz (Terrestrial)<br>From 250 - 2500 MHz (Satellite)<br>From 10 - 130 dBµV<br>Full / 500 / 200 / 100 / 50 / 20 / 10 MHz | | | | |
| | 100 kHz | 100, 200 kHz<br>1 MHz | 2 kHz (terrestrial)<br>10, 20, 30, 40, 100, 200 kHz<br>1 MHz | | |
| MEASUREMENT MODE (please refer to STANDARDS section)<br>Frequency Margin<br><br>DVB-T COFDM<br>DVB-T2 Base and Lite COFDM<br>DVB-C QAM<br>DVB-C2 COFDM<br>PAL, SECAM and NTSC<br>FM radio<br>DVB-S QPSK<br>DVB-S2 QPSK, 8PSK, 16/32APSK<br>DSS QPSK | From 5 - 1000 MHz (Terrestrial)<br>From 250 - 2350 MHz (Satellite)<br>Power (35 to 115 dBµV), CBER, VBER, MER, C/N, Link margin<br>Power (35 to 115 dBµV), CBER, C/N, LBER, MER, Link Margin, BCH ESR, LDP iterations, Wrong packets<br>Power (45 to 115 dBµV), BER, MER, C/N, Link margin<br>Power (45 to 115 dBµV), CBER, MER, C/N, LBER, BCH ESR, LDP iterations, wrong packets<br>M, N, B, G, I, D, K and L<br>Level measurement<br>Power (35 to 115 dBµV), CBER, MER, C/N, Link Margin<br>Power (35 to 115 dBµV), CBER, LBER, MER, C/N, BCH ESR, Wrong packets, Link Margin<br>Power (35 to 115 dBµV), CBER, VBER, MER, C/N, Link margin | | | | |
| INTERNAL STORAGE | 6 GB for measurement protocols, screenshots and transport stream recordings | | | | |
| PC CONNECTION (via ethernet interface) | NetUpdate 4 (free software) + Free and automatic firmware updates + User customised channel plans + Measurement reports and screenshots | | | | |
| GENERAL | Hybrid operation: Touch screen (7") or conventional keyboard<br>DiSEqC 2.x generator (DiSEqC 1.2 commands implemented)<br>dCSS / SCD 2 (EN50607) and SATCR/SCD (EN50494) | | | | |
| BATTERY | > 2h | > 4 h (smart battery) | | | |
| HARD CASE | Optional | Included | | | |

| OPTIONS | | RANGER*Neo* + | RANGER*Neo* 2 | RANGER*Neo* 3 | RANGER*Neo* 4 |
|---|---|---|---|---|---|
| DAB, DAB+ | | Available | Available | Included | Included |
| Advanced DAB/DAB+ analyzer | | - | Available | Available | - |
| GPS Coverage Analysis | | Available | Available | Included | Included |
| Rack assembly | | Available | Available | Available | Available |
| OPM + Optical-to-RF converter + WiFi 5 GHz + LTE 2.6 GHz + 6 GHz RF input | | Available | Available | Available | Available |
| WiFi 5 GHz + LTE 2.6 GHz + 6 GHz RF input | | Available | Available | Available | Available |

SPECIFICATIONS REFER TO EUROPEAN VERSION