TV & SPECTRUM ANALYZERS

PROMAX

✓ Included ⭘ Optional

AP Wi-Fi Access Point information

RF Radiofrequency Wi-Fi band display



	ATLAS NG	ATLAS NG IP	TV EXPLORER NG	RANGER Neo 3	RANGER Neo 2	RANGER Neo +	RANGER Neo Lite	HD RANGER UltraLite & Eco
BROADCAST								
Spectrum analyzer range (broadcast mode)	5 MHz - 3 GHz		5 - 2150 MHz	5 - 2500 MHz	5 - 2500 MHz	5 - 2500 MHz	5 - 2500 MHz	5 - 2150 MHz
DVB-S/S2 + DSS + ACM/VCM + DVB-T/T2/C/C2	✓		✓	✓	✓	✓	✓	✓
DVB-S2x	✓		⭘					
ISDB-T + QAM annex B	✓		✓	✓	✓	✓	✓	
ATSC	✓		⭘		ATSC version	ATSC version	ATSC version	
ATSC 3.0	✓		⭘					
Advanced DAB/DAB+ analyzer	⭘		⭘	⭘	⭘			
Advanced FM analyzer	⭘		⭘	⭘	⭘			
T2-MI and Network delay margin (DVB)	Advanced			Basic				
Wideband LNB compatibility (wbLNB)	✓			✓	✓	✓	✓	
Echoes analysis (DVB-T/T2/C2, ISDB-T)	✓		✓	✓	✓	✓	✓	✓
Constellation diagram	✓		✓	✓	✓	✓	✓	✓
Spectrogram	✓		✓	✓	✓	✓		
Heat map spectrum analyzer mode	✓		✓					
Merogram and MER by carrier (DVB-T2)	✓		✓	✓	✓	✓		
Shoulder attenuation measurement	✓			✓	✓	✓		
Blind scan	✓		✓					
Signal monitoring	✓		✓	✓	✓	✓		
GPS for drive test	✓		⭘	✓	⭘	⭘		
Jitter measurement	✓	✓						
WIRELESS								
4G/5G cellular measurements (dual SIM slot)	⭘							
2.4 GHz Wi-Fi analyzer	AP+RF	AP	AP	AP+RF	AP+RF	AP+RF	AP+RF	
5 GHz Wi-Fi analyzer	AP+RF	AP	AP	⭘ AP+RF	⭘ AP+RF	⭘ AP+RF		
1.8 GHz LTE analyzer	✓		✓	✓	✓	✓	✓	✓
2.6 GHz LTE analyzer	✓			⭘	⭘	⭘		
OPTICAL								
Non-Selective Optical power meter	✓		✓					
Selective optical power meter	⭘		⭘	⭘	⭘	⭘		
Optical to RF converter	⭘			⭘	⭘	⭘		
IP & STREAMING PROTOCOLS								
Optical ASI and SDI input/output	⭘	⭘						
OTT	Advanced	Advanced		Basic	Basic	Basic	Basic	
IPTV analyzer	✓	✓		✓	✓			
IPTV VLAN, Multistream multicast/unicast analysis	✓	✓						
SMPTE ST-2110 protocol	⭘	⭘						
SRT protocol	✓	✓						
SPECTRUM ANALYZER								
Professional spectrum analyzer	5 MHz - 6 GHz							
4 markers & traces	✓							
Resolution filters: 100 kHz, 200 kHz, 1 MHz	✓		100 kHz only	✓	✓	✓	100 kHz only	UltraLite
Resolution filters: 2, 10, 20, 30, 40 kHz	✓			✓	✓			
Occupied channel bandwidth measurement	✓							
Adjacent channel power measurement	✓							
DECODING								
4K decoder	✓	✓	✓	Frame grabber	Frame grabber	Frame grabber	Frame grabber	
H.265 decoder	10-bit	10-bit	10-bit	8-bit	8-bit	8-bit	8-bit	
GENERAL								
HDMI™ output	✓	✓	✓	✓	✓	✓	✓	
Video/Audio input	✓		✓	✓	✓	✓	✓	✓
HbbTV information	✓	✓	✓	✓	✓	✓	✓	✓
TS-ASI I/O and recording, TS analysis and recording	✓	✓	TS recording	✓	✓			
SDI analyzer and generator	✓	✓						
Common Interface (encrypted channels)	✓	✓		✓	✓			
Touch screen	Multi-touch	Multi-touch	Multi-touch	Touch	Touch	Touch	Touch	
Battery time	> 4 h	> 4 h	> 4 h	> 4 h	> 4 h	> 4 h	> 2 h	> 2 h
webControl and Video/Audio Streaming	✓	✓	✓	✓	✓	✓		
PSIP analysis and Closed Caption support	✓				ATSC version			
Soft carrying case	✓	✓	✓	✓	✓	✓	✓	✓
Hard transport case	✓	✓	⭘	✓	✓	✓		

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE. 10/25