

TV & SPECTRUM ANALYZERS

✓ Included ● Optional

AP Wi-Fi Access Point information
RF Radiofrequency Wi-Fi band display



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

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BROADCAST

RF spectrum analyzer range	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 to 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	✓	✓	✓	✓	✓	

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	Multitouch	Multitouch	Multitouch	✓	✓	✓	✓	
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