



TV Signal Analyzer S7200

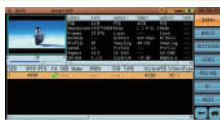
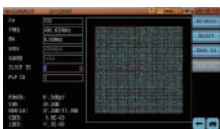
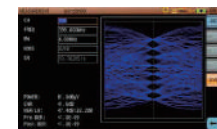
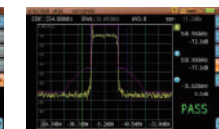
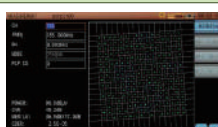
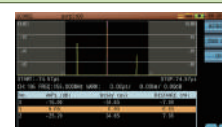
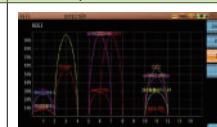
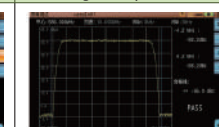
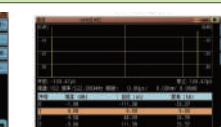
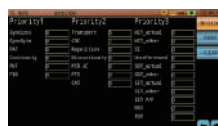
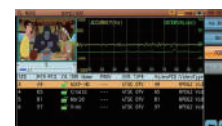
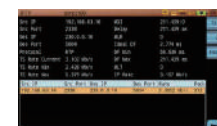
Features

- All-in-one Digital TV Spectrum Analyzer, 4 ~ 2150 MHz
- DVB-C/C2, DVB-T/H/T2, ATSC, ISDB-T/Ts, DTMB, DVB-S/S2, DAB/ DAB+ demodulation
- Decodes multiple video standards: MPEG-2/4, H.264/H.265, VC-1, AVS/AVS+
- Compatible with 4K, 1080p, 720p, and 576i
- Supports DVB-CI and BISS 1/E
- Transport Stream Analysis: RF, ASI, and IP input
- IPTV Analysis (by option)
- Optical power meter and optical receiver (by option)
- WiFi Analysis and Communication Module (by option)
- Double 1000M LAN, USB 3.0 ports
- Capacitive touchscreen

Specifications

Model		S7200				
Spectrum Analysis	Frequency Range	4MHz ~ 1220MHz (TV), 950 MHz ~ 2150 MHz (Satellite)	DAB/DAB+	Frequency Range	167.392MHz ~ 239.968MHz	
	Frequency Span	0 MHz ~ 1216 MHz (TV), 0MHz ~ 1200MHz (Satellite)		Power Level Range	-30dBmV ~ +50dBmV / ±1.5 dB (C/N >20 dB)	
	Frequency Step	1 kHz (TV & Satellite)		MER Measurement	3 ~ 31dB / ±2.0 dB	
	Resolution Bandwidth	30kHz, 100kHz, 300kHz, 1MHz, 3MHz (-3dB)		CBER	1E-5 ~ 1E-1	
	Level Measurement Range	-50dBmV ~ +60dBmV (TV), -30dBmV ~ +60dBmV (Satellite)		Frequency Range	42~1002MHz	
	Accuracy of Measurements	<1.5 dB	DVB-T/H Measurement	Modulation Type	QPSK, 16 QAM, 64 QAM	
	Measurement Detector	Positive Peak, Negative Peak, Sample, Average		Power Level Range	-35dBmV ~ +50dBmV/±1.5 dB (C/N >20 dB)	
	Reference Level	-30dBmV ~ +60dBmV		Level Resolution	0.1 dB	
	Markers	2 Vertical and 2 Horizontal markers		MER Measurement	> 35 dB/±2.0 dB	
				CBER/VBER	√	
Analogue TV Measurement	Standards	B/G, I, D/K, L/L', M/N	DVB-T2 Measurement	Constellation /Echo Pattern	√ / √	
	Color Standards	PAL, SECAM, NTSC		Frequency Range	42~1002MHz	
	Frequency Step	10 kHz		Modulation Type	QPSK, 16 QAM, 64 QAM, 256QAM	
	Hum Measurement	1% ~ 15%		Power Level Range	-35dBmV ~ +50dBmV/±1.5 dB (C/N >20 dB)	
	C/N	> 50dB		Level Resolution	0.1dB	
DVB-C Measurement	Level Measurement Range	-30dBmV ~ +60dBmV / < 1.5 dB	DVB-T2 Measurement	MER Measurement	>40 dB/±2.0 dB	
	Level Resolution	0.1 dB		CBER/LBER	√	
	Frequency Range	42~1002MHz		Constellation / Echo Patter	√ / √	
	Modulation Type	16/32/64/128/256 QAM ITU-T J.83 ANNEX A/B/C		T2-MI	√	
	Symbol Rate	1.8 MS/s ~ 7.0 MS/s		Modulation Type	8 VSB	
	DVB-C Measurement	Power Level Range	-30dBmV ~ +50dBmV / ±1.5 dB(C/N > 20 dB)	ATSC Measurement	Power Level Range	-35dBmV ~ 50dBmV/±1.5 dB (C/N >20 dB)
		Level Resolution	0.1 dB		Level Resolution	0.1 dB
		MER Measurement	~42dB/±2.0 dB		MER Measurement	>40 dB/±2.0 dB
		BER	1E-3 ~ 1E-9		BER	√
		Constellation	√		Constellation	√
DVB-C2 Measurement	Power Level Range	-30dBmV ~ +50dBmV / ±1.5 dB(C/N > 20 dB)	ISDB-T/H Measurement	Modulation Type	QPSK, 16 QAM, 64 QAM	
	Guard Interval	1/64, 1/128		Modulation Bandwidth	6MHz	
	Bandwidth	6MHz and 8MHz		Power Level Range	-35dBmV ~ 50dBmV/±2.0dB(C/N>20dB)	
	Spectrum Inversion	Auto		Power Resolution	0.1dB	
	PLP Code Rates	2/3, 3/4, 4/5, 5/6, 8/9, 9/10		MER Measurement	> 40dB/±2.0dB	
	DVB-C2 Measurement	PLP Constellation	16, 64,256, 1024, 4096QAM	DTMB Measurement	CBER / VBER	1E-1~1E-5 / E-1~1E-7
		Data Slices	Type 1 & 2 supported, width up to 7.61MHz		Constellation	√
		Cell ID	Detected from Transmitter Station		Carriers	C=1,3780
		Network ID	Detected from Transmitter Station		Power Level Range	25~ 110dBmV / ±2.0 dB(C/N > 20 dB)
		C2 System ID	Detected from Transmitter Station		MER Measurement	30dB / ±2.0 dB
			BER	1E-1~1E-5		

Continue to next page

Model S7200					
TV Monitoring	Spectrum Analysis	DVB-S/S2 Signal Analysis	DVB-C Signal Analysis		
					
VC-1 Format 1080p Decoding	Digital Cable TV Spectrum Analysis	DVB-S2, 32 APSK Constellation	DVB-C Constellation	Frequency-Domain EVS Measurement	Time-Domain EVS Measurement
DVB-C2 Signal Analysis	DAB/DAB+ Signal Analysis	ATSC Signal Analysis	ISDB-T/TB Signal Analysis		
					
DVB-C2 4096QAM Constellation	DAB Signal Measurement	8VSB Constellation	8VSB Eye Diagram	8VSB Spectrum Mask	ISDB-Tb Constellation
DVB-T/T2 Signal Analysis			WiFi Analysis	DTMB Singal Analysis	
					
DVB-T Constellation	DVB-T2 Constellation	Echo Pattern Location	2.4GWiFi Channel - Graphical Display	DTMB Bandwidth Test	DTMB Multipath (Echo) Analysis
Transport Stream Analysis & Monitoring					
					
Program Decoding & Monitoring	TR 101 290 three-level monitoring	PCR Interval & Accuracy Monitoring	IPTV Analysis	Optical Power Measurement	

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