

D+D Electronics

DD 2400 PROFESSIONAL SIGNAL METER



DOLBY
DIGITAL PLUS

- DVB-S/S2, DVB-T/T2, DVB-C Demodulation and analysis
- High-resolution 7-inch TFT-LCD screen
- High quality DSP Spectrum from 50-2200MHz with 50dB of onscreen dynamic range
- Supports HEVC(H.265), H.264 and MPEG2 decoding, SD & HD
- Single F Male connector input featuring a fully automatic attenuator with channel power of up to 120dB μ V in 5dB steps
- Measures Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation
- RF power supply from 5 to 24V, in 1V steps
- Supports DiSEqC 2.0, SatCR and dCSS
- Special spectrum modes (Max Hold, Spectrogram) for interference detection and LTE Measuring
- Efficient and user friendly User Interface
- Full TS recording to external USB drive
- Standard 6h battery life per charge
- Supports automatic adjustment of screen brightness
- Supports spectrum + TV decoding, and spectrum + MPEG information simultaneously
- Standby mode for instant power on
- Multi-function wheel navigation
- Screen capture to external USB drive with a dedicated button
- SAT support, TP update separately via USB or FTP (WiFi)
- Firmware updates through USB or FTP (WiFi)
- EAC3 Dolby DD + codec

TECHNICAL INFORMATION		
Display type	7-inch TFT LCD	
Display resolution	1024*600	
Lithium battery	7.4 V 7800 mAh 57.7 Wh	
RF Input	F Male connector,75 Ω	
Video/Audio output	HDMI Output	
External Units Power supply		
Satellite band	0 V, 5 ~ 24 V (Steps1 V)	
22KHz singal	Selectable in Satellite Band	
DiSEqC generator	DiSEqC 1.0/1.1/2.0	
Terrestrial Band	0 V, 5 ~ 24 V (Steps1 V)	
Battery Operation Time	6 hours	
Power off current	<2 mA	
VIDEO DECODING		
DECODING	MPEG1, MPEG-2 MP@ML, H.264, VC1, DV, MPEG-4, H.265 (1080p@60fps), EAC3 Dolby DD + codec	
AUDIO DECODING		
DECODING	MPEG-2 layer I and II (Musiccam), MPEG4 AAC	
OUTPUT MODE	Mono, Dual Channel, Stereo, Joint Stereo	
METER NAVIGATION MODE		
Satellite		
Frequency Range	950~2150MHz	
Support Measurement parameter	Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation	
Symbol rate	1 ~ 55 MS/s	
Resolution	0.1 dB	
Accuracy	±1.8 dB	
MER range	>25 dB	
Power range	20~120 dBμV	
Demodulation	DVB-S/S2 QPSK, 8PSK, 16APSK, 32APSK, ACM / VCM	
Terrestrial		
Frequency Range	51 ~ 1000 MHz	
Support Measurement parameter	Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation	
Bandwidth	6 MHz, 7 MHz, 8 MHz	
Resolution	0.1dB	
Accuracy	±1.8 dB	
MER range	>35 dB	
Power range	30~120 dBμV	
Demodulation	DVB-T/T2 COFDM	
Cable		
Frequency Range	51 MHz ~ 1000 MHz	
Support Measurement parameter	Power, CBER, VBER, MER, Constellation	
Symbol rate	6 MS/s	
Resolution	0.1 dB	
Accuracy	±1.8 dB	
MER range	>35 dB	
Power range	30~120 dBμV	
Demodulation	DVB-C QAM,J83 Annex C QAM	
SPECTRUM NAVIGATION MODE(DSP)		
Frequency Range	Terrestrial & Cable:50 ~ 1000 MHz Satellite: 900 ~ 2200 MHz	
Reference Level	Terrestrial & Cable: 60 ~ 110 dBμV in 5 dB steps Satellite: 60 ~ 110 dBμV in 5dB steps	
Accuracy	±1.8 dB	
Span	Terrestrial & Cable: 10, 20, 50, 100, 200, 500, 950 MHz Satellite: 10, 20, 50, 100, 200, 500, 1200 MHz	
RBW	Terrestrial & Cable: 36, 72, 145, 291, 583, 1166 KHz Satellite: 100 KHz, 200 KHz, 500 KHz, 1 MHz, 2 MHz, 5 MHz	
FFT/Sample Size	1024 Points	
INTERFACE		
Left side interface	HDMI 1.4A	
	USB 2.0 (MAX 1 A)	
	RS232	
	DC IN	
Top interface	TUNER	3 tuners in 1 (DVB-S/S2, DVB-T/T2, DVB-C)
Buttons on panel	4 LED lights	On /Off, Charge, Lock, RF Power
	24 Buttons	(TV, Spectrum, Meter, Options, Menu, Band, Up, Down, Left, Right, Enter, Esc, 0-9 Power)
Housing (cabinet)	Dimensions	269 mm (L) x 187 mm (W) x 62.5 mm (H)
Accessories	Adapter	15 V-2,5 A
	Car charger	Yes
	Carrying bag	Included (space for tools and pocket)
	F female to female connector	Yes