

PROFESSIONAL FIELD METER METEK HD

- DVB-S2/S, DVB-T2/T, 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 120dBμV 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 decodign, 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)



TECHINCAL INFORMATION	
Monitor Display	7-inch TFT
Dots Pixels	1024*600
The 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
VEDIO DECODING	
DECODING	MPEG1, MPEG-2 MP@ML, H.264, VC1, DV, MPEG-4, H.265 (1080p@60fps)
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
Power resolution	0.1 dB
Power 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
Symbol rate	6 MHz, 7 MHz, 8 MHz
Power resolution	0.1dB
Power 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

Power resolution	0.1 dB	
Power 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-S2,DVB-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	INPUT: 100-240V-50/60Hz 1A / OUTPUT: 15.0V-2.5A 36.0W
	Car charger	Yes
	Carrying bag	Included (space for tools and pocket)
	F female to female connector	Yes

