

## FEATURES & SPECIFICATIONS



## Linkbox 9000i

BISS CAS Embedded  
Operate with SMS Control System



### 1. Key Features

- Fully HD up to 1080i/p
- WIFI Support
- Ethernet interface- Firmware, data updating
- BISS CAS Embedded
- Operate with SMS Control System
- Twin USB PVR ready -PVR/Time-shift/updating
- UHF Ready(U-50 Kit Optional)
- SPDIF Output (Digital Audio Output)
- Network TV supported(URL IP Streaming Player)

### 2. Main Features

- Fully Compliant of DVB-S & DVB-S2(QPSK/8PSK/16APSK/32APSK) Digital & DVB broadcasting
- Supports MPEG2/ MPEG4 AVC HP@level4.1,MP@level 4.1/H.264,VC-1,VP8,AVS
- High Definition Video output : Digital Output and Y Pb Pr
- Full HD Resolution supported: 1080p,1080i,720p ,576p,576i,480p,480i
- Audio Decoding :ISO/IEC 13818-3
- Satellite Tuner, 950-2150 MHz input Frequency (IF Loop Throughout),Symbol rate 1~45MSPs
- Very fast Smart Search(Blind Scan)
- Flexible reception of SCPC & MCPC from C/Ku-Band Satellites
- Demodulation : QPSK/8PSK/16APSK/32APSK
- Twin USB PVR ready  
FAT16/FAT32/NTFS,Format function ,Recording,Playback,EPG Time record,Time shifted recording
- USB PVR ready (FAT16/FAT32/NTFS,Format function ,Recording,Playback,EPG Time record)
- Two USB 2.0 Host Interface- Multimedia Application : Movie,Music, Photo and Firmware Update
- Multimedia files playback by USB2.0(BMP/JPG/Ogg/MP3(option))
- Fast Channel Change(<1 second)
- Satellite Scan-Simultaneous Scan,Manual PID/Satellite & TP/Network Scan
- Supports DVB subtitle
- 10000 Channels TV & Radio Program
- Timer setting supports automatic Turn-ON and OFF daily
- User-friendly EPG(Electronic Program Guide)
- Multi language on screen menu(OSD)
- Up to True full Color(32bits) on screen display(OSD)
- Powerful Channel Editing Function(Favorite,Move,Find,Sort,Delete,Skip,Lock,Edit,Create)
- Automatic PAL/NTSC Conversion
- 8 Favorite List
- PIG (Picture In Graphic) ,Zoom Function
- Screen Format : auto,4:3,16:9
- Software Upgrade through USB ,Ethernet and RS-232C (Receiver to Receiver, PC to Receiver)
- Hardware Copy Protection
- Multiple LNB switching control :Diseqc 1.0/Diseqc 1.2 and USALS Compatible
- Network :10/100M Full /Half Duplex Ethernet Interface supported,Supports RMI interface
- Management Subscription

**2. Specifications****Satellite Tuner**

Input Connector	F-type,IEC169-24
Frequency Range	950MHz to 2150MHz
Input Level	-65 dBm~-25 dBm
LNB Power	14V/19V (400mA Max)
Symbol Rate	1 to 45Msps.(SCPC,MCPC)
DiSEqc	Diseqc 1.2 & USALS Compatible
Band Switch	22KHz tone
Demodulation	QPSK/8PSK/16APSK/32APSK
Viterbi Decoding Rate	1/2,2/3,3/4,5/6,7/8
Reed Solomon Decoding	FEC 204,188,t=8

**Transport Stream A/V Decoding**

Demultiplex	MPEG-2 ISO/IEC 13818-1(MPEG-2 system)
Input stream	Max. 135Mbps in serial mode, 400Mbps in parallel mode
Aspect Ratio	4:3(default), 16:9 letterbox
Video Decoding	MPEG 2/4, H.264 ,VC-1,AVS,VP8, Full HD Decode/ISO/IEC13818-3 Digital Audio Decoding
Video Resolution	480i/p or 576i/p, 720p, 1080i,1080p
Audio Decoding	ISO/IEC13818-3 Digital Audio Decoding
Video Output	Digital Output, CVBS,YPbPr
Audio Mode	Single Channel /Dual Channel, Stereo, Joint Stereo

**Main CPU & Memories**

CPU	ALI M3516 Dual 32-bit RISC CPU
Flash Memory	4 Mbyte
External Memory Interface	DDR-3 , 256Mbyte

**Data port**

Connector	9 Pin D-Sub Type
Protocol	RS232 Asynchronous
Data Rate	Max. 115200 bps

**A/V output**

Digital output	Digital Output, YPbPr
RCA A/V	CVBS,Audio Left.Right ,Component(Y,Pb,Pr)

**Rear Panel**

Digital output	Digital Output , Type A
SPDI/F	Optical output
6RCA	Video, Audio L, Audio R, YPbPr
1 Tuner	1 input & 1 Loopout
RJ-45+USB	Ethernet+USB2.0
Data Port	9 Pin D-Sub Type (Skew Control Kit Optional)
UHF	Stereo Jack
Power Switch	Rocker Switch

**Front Panel**

8 Key	PWR,CH Up/Down, Volume Up/Down,Menu,Ok,Exit
Display	4 Digit 7 Segment Display
USB	1 Host USB2.0

**Remote Control**

Type	IR RCU
Battery	2x1.5V AAA Type

**Power Supply**

Input Voltage	AC 90-250V, 50/60Hz
Type	SMPS ,AC Plug
Power Consumption	Max. 20 Watts

**Physical Specification**

Operating temp.	0 ~45
Dimension (WxDxH)	260mm x 153mm x 45mm
Weight	1.1Kg
Accessories	Digital Output Cable

\* All specifications are subject to change without any notice in advance.

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