NowBox-HD54 HD （1080P）IPTV STB

Description:

NOWBOX-HD54 is a kind of HD IPTV STB which supports many kinds of formats as well as pure hardware decoding.It is an economical STB with precedent functions:it can achieve HD image just like family digital TV,can even reach HD effect under the permission of network bandwidth,has strong self-adaptive ability to broadband networks and wireless networks.NOWBOX HD54 IPTV STB supports hardware decoding based on many kinds of video&audio formats such as WMV9,H.264,VC-1,MPEG-1,MPEG-2,MPEG-4 ,and also based on live streaming,supports many internet protocols such as RTSP,UDP,MMS and etc.its operation system is linux OS which is better than uclinux,for linux OS provides high-level file management system,supports various streaming media distribution platforms such as Darwin Server,Media Service,and lets you enjoy first-class video & audio effects.

Technical features:

- it is stable with single chip design and accelerator for independent video & audio hardware decompression.
- it supports hardware decoding for these video fomats :H.264,VC-1,WMV9,DIVX,XVID ,MEPG-4/2/1 and etc..
- the highest definition it supports :1080P(HD),1080I(little HD),720P(SD).
- it supports RTP/RTCP,RTSP,UDP,TCP,Multicast/Unicast and etc..
- it supports JavaScript.
- its system can work stably for a long time :7X24 hours non-stop working
- It supports system firmware updating online;during the updating,if the electricity is cut off or there is any mistake ,the backup system can also start working normally to guarantee users to update once again.
- it supports PPPoE dial-up.
- there is a text input box with extremely large typeface in the setting page,which enables users to see the input text more clearly.This also avoids the phenomenon where users input characters wrongly when using

traditional STBs,for they can not see the characters clearly.

- ✔ It supports the switching among digital number,capital letter and lowercase letter.
- ✔ its current state is shown as OSD.
- ✔ its remote control has remote study function,it is convenient for user to compound common button functions of TV remote control into STB remote control so that STB control can operate not only TV set,but also STB.
- ✔ it has PPPoE automatic dialing function,that is,it can directly connect to ADSL MODEM to link with the internet,it can check automatically the state of internet connection,and when the internet connection is cut off,it can itself try to redial again and again until it finally connects with the networks.
- ✔ it supports DHCP and can automatically catch IP.

Technical specifications：

Video	Video decoding formats supported: MPEG-2 MP@HL(1080P),WMV9/VC-1MP@HL(1080P),H.264/AVC up to High Profile and Level 4(HiP@L4),1080P,MP4 Part2 ASP@L5, DivX/HD, XviD; video standard: PAL/NTSC; video resolution:1080P,1080I,720P,480/576P,480/576I; video size:4:3,16:9 automatic testing.
audio	audio mode:stereo ,left channel ,right channel; audio formats supported: MPEG-1 layers I,II,III(MP3) MPEG-2layer2 MPEG-2and MPEG-4 AAC Windows Media Audio(WMA,WMA Pro) AC3 pass-through via S/PDIF(coax)
front panel	LED indicators showing the status of power and network,power switch,an infrared(IR)receiver

back panel	video output ports :composite (RCA), HDMI,YUV component; audio output ports : left channel ,right channel and stereo(RCA),digital audio S/PDIF; 1 USB2.0 port; RJ-45 internet port ; WIFI 802.11b/g antenna port; 12V power input port.
system hardware equipments	SMP8655 CPU 500MHz MPIS Flash memory: 128M; RAM memory: 256M.
accessories	IR remote control; composite video&stereo audio cable; power cord; ethernet cable (1.5m); user manual(electronic document).
internet protocols	PPPoE dial up; MMS protocol of WMS platform; standard RTSP,HTTP,RTP,UDP protocols;
browser	supports DHTML,HTML4.01 CSS1.0+,JavaScript 1.5, and SSL ; has port for embedding middleware; supports multiple language options.
physical specifications	Package dimension(mm): 320(L)×240(W)×75(H); Body size（mm）: 260(L)×160(W)×50(H); weight: 1.36kg; operation temperature:0°C-40°C; operation humidity:30%-90%; power output :12V,1A; power consumption:12W.
OS	Linux

Application:

IPTV STB's basic functions include live streaming,VoD and time-shifted television program services.Live streaming service refers that user can watch all kinds of real-time TV programs by connecting IPTV STB with IP networks,can subscribe to customerized programs any time and can obtain TV programs from the chosen IPTV service provider(s) any time. VoD TV service refers that user can choose to   play the needed programs through IPTV STB's searching interface and EPG provided by IPTV service platform.during the playback,user can jump forward,jump back,pause,stop and etc..Time-shifted

TV service refers that user can broadcast the radio and television program which have already been broadcast.IPTV STB is widely used in the following industries:

Family------entertainment on the internet,watching TV and VoD.

Hotel------entertainment on the internet ,watching TV and VoD,interactive ordering,real-time consumption checking, kara OK VoD,hotel introduction,dishes introduction ,service quotation ,urgent notice and etc..

Market------advertisement broadcasting, information publishment,urgent notice ,Fire Guide and etc..

Public place-----advertisement broadcasting,information publishment,urgent notice,safety bulletin and etc..

School------watching TV programs and video programs produced by school itself,meeting live broadcast,courseware VoD,urgent notice and etc..