

SC-20 IP Set Top Box



Introduction

SC-20 is a multi-formats and IPTV set-top box that is a crystal clear picture and high performing STB. SC-20 is running at 400Mhz MIPS CPU with embedded OS and supports format in H.264/AVC,VC-1,Flash,RMVB,MPEG-4/2/1,Wmv9, Divx*, and Xvid . .Also can support RTMP,UDP,RTP,RTSP, HTTP,MMS etc video streaming protocol . The video resolution can be scale up to 1920x1080p. SC-20 has web browsing and provides the EPG electronic navigation menu function. SC-20 also provides the international standard AES of encryption that can be better protection contents.



Features and Application

- ↳ 400 MHz MIPS CPU
- ↳ H.264/AVC, VC-1, Flash, RMVB, MPEG-4/2/1, wmv9, Divx*, Xvid hardware decode
- ↳ IPTV Standard : adobe Flash server, MS WMT, ISMA, MPEG-2 TS UDP
- ↳ Compliant Windows2003 service, adobe Flash server ,Darwin server
- ↳ Streaming protocols: RTMP,MMS, RTP/RTCP, RTSP, UDP, TCP,
- ↳ Multicast/Unicast
- ↳ HDMI, YUV, Composite video output
- ↳ 100M Ethernet
- ↳ Wifi optional
- ↳ uCLinux embedded system

Application

IPTV Streaming
Vide On Demand System
Video Broadcasting
Remote Education

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Specifications

Input	
File Format	TS, Flv, rmvb, WMV/ASF, MPG , VBO,ISO,MP4, AVI-E-MKV, AAC, WMA, MP3, AC3,DTS*, Program Stream, Transport Stream
Streaming	MMS/Http, RTMP(Flash flv), RTP /UDP, RTSP, Unicast, Multicast, MPEG-2 TS UDP over RTP
MPEG-2 Transport	MPEG-2 TS over UDP
Output	
Video	HDMI, Composite, Component
Audio	Unbalance analog audio, SPDIF,RCA,HDMI audio
Decoder	
Video	MPEG1, VCD 1.0/2.0, SVCD Supports HD MPEG2 (up to MP@HL1080i), ISO/IFO/VOB/TS, Supports HD MPEG4 SP/ASP(720p/1080i/1080p), Xvid H.264 BP@L3, HP@L4.1 WMV9/VC-1 AP@L3, Real Networks (RM/RMVB) 8/9/10, up to 720@30P, DivX3/4/5/6 (Licensee Only), HD JPEG with unlimited resolution(40M-pixel tested)
Video Bitrate	32kbps---50Mbps
Resolution	PAL 1920x1080(1080P), 1280x720(720P), 720x576(FD1), 544x576(3/4D1), 480x576 (2/3D), 352x576(HD1), 640x576(VGA), 320 x288(QVGA), 352x288(SIF), 176x144(QSIF)
	NTSC 720x480 (FD1544x480 (3/4D1), 480x480(2/3D), 320x480HD1), 640x480(VGA), 320x240(QVGA), 352x240 (SIF), 176x112(QSIF)
Audio	IEC-958 (SPDIF) digital audio output 7.1 down-mix, MPEG I Layer 1, 2, 3 (2-CH) and MPEGII Layer 1, 2 (Multi-Channel), LPCM, ADPCM, FLAC, AAC, WAV, and OGG Vorbis DTS HD Master Audio, LBR, Dolby® Digital Plus, TrueHD*
Audio Bitrate	8kbps---384kbps
Sampling Rate	8khz---96khz
OS	UCLinux
Others	
Dimension	W146mm x D115mm x H26mm
Net Weight	450g
Power	AC 110-240V
Certification	CE, RoHS, FCC