

Products: nabiTV™ Encryption

“H.264/AAC,AC3 multimedia file entered to .mp4 file formatting with DRM and Our patents”



Functions

- A/V Input : Standard .mp4, ISMA .mp4, Instant-on .m4
- A/V Encryption : Digital Right Management
- A/V Output: .mp4 file format with DRM packets

Features

- A/V Input : H.264 and AAC(LC-AAC, HE-AAC), AC3
- DRM : NDS, Conax, etc., Any DRM
- Out put to File format :
 - ISMA profile 0, 1, 2, 3, 4 & Closed caption v1, 2, Encryption v1, 2
 - Standard .mp4, ISMA .mp4, Instant-on .mp4 with DRM
- **Patent: SIMD Acceleration/Instant-on/Skip-protection/RTP-redirection**

Design

- 1U rack-mount device for 19” telecoms rack
- 2 Gigabit Ethernet ports & 1 RJ45 type console port
- Remote administration Web & Java interfaces
- ssh console, Linux 2.6.x or Windows 7

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► Specification

Inputs	Subtitles, Tag, Filters	Outputs
Video	Subtitle -Closed captions(SMPTE-334M) -Vobsub, Kate, Text files, -Universal Subtitle Format(USF) -VCD/SVCD/DVD, OGM, CMML	CODEC -MPEG-4 Part10/H.264/AVC -MPEG-4 Part3/AAC -MPEG- Layer II, MP3, AC3
Audio	Tag -ID3 tag, APEv2, Vorbis comment	Multiplexing -ISMA Ver. 1.0, 2.0 -Instant-on/Skip-protection -RTP-redirecton
Media	Filter -Deinterlace, Cropping, Image wall (Video) -Image adjust, Rotate, Mirror, -Logo overlay, Magnification, -Image distortion, Blue-screen -RSS/Atom feeds	Level 3.0, 3.1, 3.2, 4.0, 4.1, 5.0, 5.1
CODEC (Video) -MPEG-4 AVC/H.264	Filter (Audio) -Visualization effects, Equalizer	Resolution 320x240, 352x240, 432x240, 512x288, 512x384, 640x480, 720x480, 720x576, 1280x720, 1440x1080, 1920x1080
	ETC., -Update devices through NMS port -LCD panel keyboard operating -Network management(SNMP) -IPv6 -CPU acceleration -SIMD acceleration -ISMA profile 0,1,2,3,4 -Instant-on .mp4 -Skip-protection -RTP-redirecton	Frame rate 23.976p, 24p, 25p, 29.97p, 30p, 50i/p, 59.94i/p, 60i
CODEC (Audio) -MPEG Layer 1/2/3 -MPEG-4 part 3/AAC, LC-AAC, HE-AAC -AC3, A/52(Dolby), E-AC-3(Dolby plus)	Hardware	Bit rate -Video : 128Kbps ~ 35Mbps -Audio : 16Kbps ~ 256Kbps
	Host -Dual core 2 CPU over	Sampling rate 32KHz, 44.1KHz, 48KHz
Format -.MP4	Capture NONE	Entropy coding -ISMA Encrypt 1.0, 2.0 -NDS, Conax, Etc.,
		Encoding Method -DRM
		ETC.,
		Storage
		HDD -SSD DAS or NAS -SAN Storage

