

## Products: nabiTV™ Transmit (CHNx8)

“H.264 TS UDP or HTTP entered from “nabiTV Encoder” to RTSP over RTP-E.S with broadcasting on the IP”



### Functions

- A/V Input : x4 or x8 HD channels H.264 IP input
- A/V Packetized : x4 or x8 HD channels multibit rate packetized
- A/V Output: x4 or x8 HD channels multibit rate Packets
  - . RTSP over RTP-ES Announced unicasting

### Features

- A/V Input : x4 or x8 H.264 IP
- Packetized : RTSP, RTP-ES, SDP
- Out put to Packetized & File format :
  - . ISMA profile 0, 1, 2, 3, 4 & Closed caption v1, 2, Encryption v1, 2
  - . RTSP, RTP-ES, SDP, RTCP
- 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

# Products: nabiTV™ Transmit (CHNx2, CHNx4, CHNx8)

## ► Specification

### Inputs

Video	
Audio	
Media	-x2/x4/x8 channels H.264 TS UDP/HTTP
CODEC (Video)	-H.264 up to 1920x1080@60i
CODEC (Audio)	-MPEG-4 Part10/H.264/AVC -MPEG-4 Part3/AAC, LC-AAC, HE-AAC -MPEG- Layer II/III, AC3
Format	-H.264 TS

### Subtitles, Tag, Filters

Subtitle	-Closed captions(SMPTE-334M) -Vobsub, Kate, Text files, -Universal Subtitle Format(USF) -VCD/SVCD/DVD, OGM, CMMML
Tag	-ID3 tag, APEv2, Vorbis comment
Filter (Video)	-Deinterlace, Cropping, Image wall -Image adjust, Rotate, Mirror, -Logo overlay, Magnification, -Image distortion, Blue-screen -RSS/Atom feeds
Filter (Audio)	-Visualization effects, Equalizer
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-redirectation

### Hardware

Host	-Dual core 2 CPU over
Capture	-NONE

### Outputs

CODEC	-MPEG-4 Part10/H.264/AVC -MPEG-4 Part3/AAC, LC-AAC, HE-AAC -MPEG- Layer II/III, AC3
Multiplexing	-RTSP over RTP-ES, SDP/RTCP -ISMA Ver. 1.0, 2.0 -Instant-on/Skip-protection -RTP-redirectation
Level	3.0, 3.1, 3.2, 4.0, 4.1, 4.2, 5.0, 5.1
Resolution	320x240, 352x240, 432x240, 512x288, 512x384, 640x480, 720x480, 720x576, 1280x720, 1440x1080, 1920x1080
Frame rate	23.976p, 24p, 25p, 29.97p, 30p, 50i/p, 59.94i/p, 60i
Bit rate	-Video : 128Kbps ~ 35Mbps -Audio : 16Kbps ~ 256Kbps
Sampling rate	32KHz, 44.1KHz, 48KHz
Entropy coding	
Encoding Method	-Announced unicasting -Packetizing -ISMA Ver. 1.0, 2.0 -Instant-on -Skip-protection -RTP-redirectation
ETC.,	
Storage	
HDD	-NONE

