

PROMA

8 HDMI ENCODER

H.264 HDMI Video Encoder via HTTP HLS RTSP RTMP/RTMPS
UDP ONVIF SRT to IPTV Broadcasting or NVR



Features

1. It support H.264 encoding,max up to 1080P60 streaming.It is equipped with 8xHDMI channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format.
2. Embedded Linux System, stable and effective.
3. Friendly Web Control UI, default IP is 192.168.1.168. the user name and password both are admin
4. Support RTMP/RTMPS, RTSP, UDP, HTTP, HLS, FLV, SRT and ONVIF Protocols.
5. for every channel, there are a main-stream and a sub-stream to output at the same time.
6. Main Stream Support output resolution - 1920x1080, 1680x1056, 1280x720, 1024x576, 850x480, 720x576, 720x540, 720x480, 720x404, 704x576, 640x480, 640x360, 608x448, 544x480, 480x480, 480x384, 480x360, 480x320, 480x272, 480x270, 400x320, 400x224, 352x480, 352x228, 320x256, 320x240, 320x180, 240x180, 176x144.
7. Support Text and BMP photo insert as Stream Logo for main stream & 2nd stream.
8. Output Stream bitrate adjustable.
9. Support firmware upgrade.
10. IP address can be set by yourself.
11. Support remote control via IP.

APPLICATIONS

- 1.Digital TV Broadcasting System
- 2.Digital TV Programs Transmission
- 3.Hotel TV System
- 4.Head-end system of Digital TV branch network
- 5.CATV Broadcasting system
- 6.Edge side of Digital TV backbone network
- 7.IPTV and OTT headend system

SPECIFICATIONS

Power	100-240 VAC 50/60 Hz, 60W max. 30W Typical IEC 60320-C14
Cooling	Dual internal cooling fans with Front inlet and Sides exhaust
Fan dB level	<20db Super Quiet Operation under normal conditions
Temperature/ Humidity	+32 F° to +115 F° (0 C° to +46 C°) / 10% to 80% non-condensing
MTBF	55,000 hours
Warranty	1 Years Warranty
Reliability	24/7 Operation Time

INSTALLATION

Remote Control	Via PC
Simple Setup	Simple configuration via Login-Protected Web Interface
HDMI Inputs	Licensed HDMI inputs compatible to any HDMI Video source
Multi-Units	Multiple units can be used on the same network for more channels, by simply configuring different IP Addresses per each machine

VIDEO INPUT

HDMI	8 ports of Licensed HDMI input - compatible to any HDMI Video Source up to Full HD 1080p resolution
HDMI Version	Compatible to any HDMI source including HDMI 2.0 (Max input resolutions 1080p 60)
EDID Control	Advanced EDID Auto control compatible with any HDMI Video source
Video Resolutions	480i / 480p / 576i / 576p / 720p / 1080i / 1080p (AUTO EDID or Selectable SCALER per channel) Sub Resolutions and PC Resolutions are also supported on both HDMI Inputs and the Target Encoding
Frames Ratio	1 to 60 FPS selectable stream by stream
Aspect Ratios	16:9 / 4:3 / Film mode detection (3:2 pull-down)

AUDIO INPUT

HDMI AUDIO	Any HDMI Embedded Digital Audio
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VIDEO ENCODER

Encoder Video Profile	- Selectable per each HDMI / per each of the 4 Multi-rate sub stream - MPEG4 H.264/H.265 base profile / main profile / high profile - any level
Encoding Mode	Interlace & Progressive encoding support
Video Processing	Extensive video pre-processing help get the best picture whatever the source
Video Processing	Extensive video pre-processing including Noise reduction and Resolution changing
Traffic Shaping	Selectable Triple Motion Estimation Look-Ahead Statistical Variable Bitrate or Constant Bitrate
Video Encoding Data Rates	VBR Variable, 64Kbps 15Mbps per channel
Color Profile	4:2:0 Broadcast Grade Sampling
GOP Size	15

AUDIO ENCODER

Channels	1 x stereo audio channel processing
Audio Formats	- Dolby Digital® (AC-3) - Encoding rates from 56 kbps to 640 kbps - MPEG-1 Layer II Audio Encoding Standard Encoding rates from 32 kbps to 384 kbps - AAC Advanced Audio Coding - MP3 Audio Encoding

TRANSPORT
STREAM

PIDs Numbering Full Control to match any specific Network Provider or application Needs

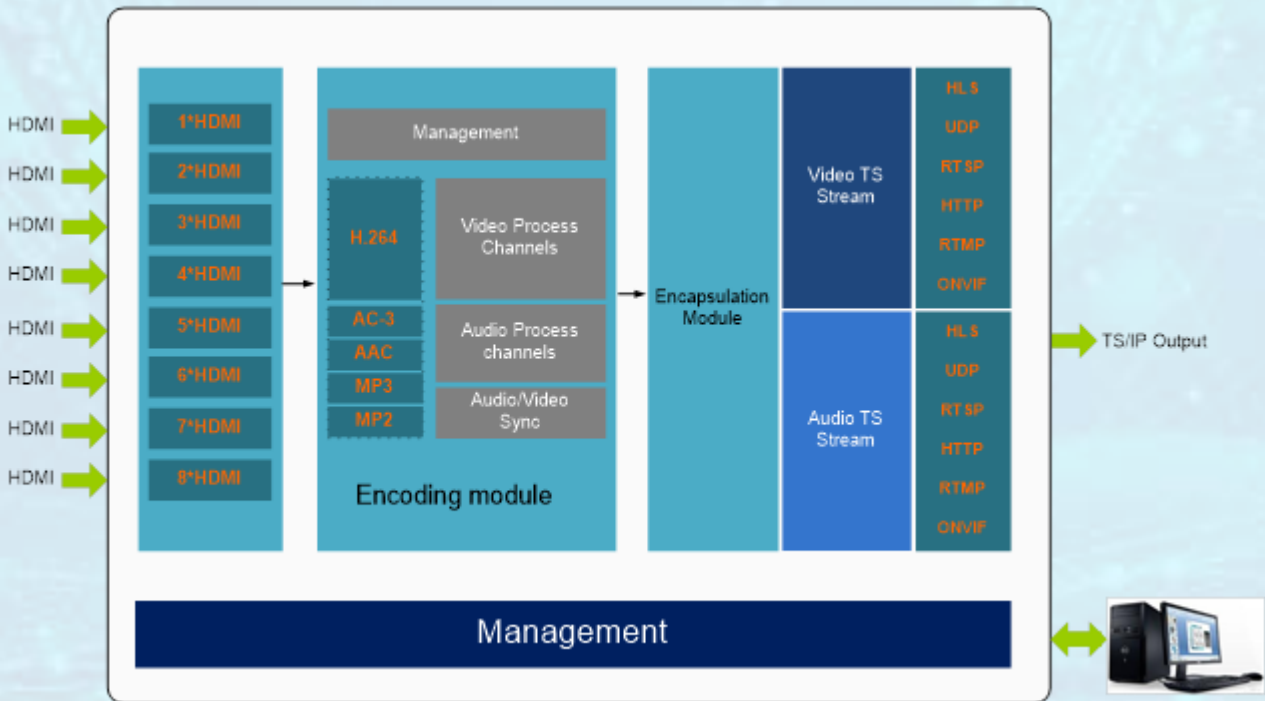
Descriptors Full Control to set Programs Names / Network / Provider

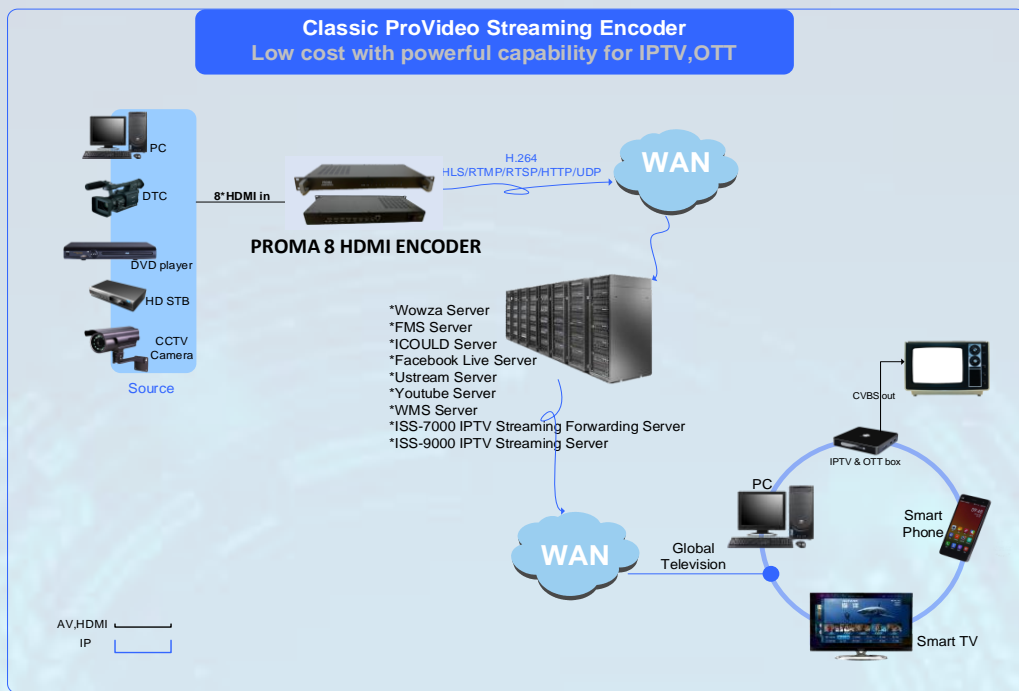
CONTROL SET
UP

NETWORK In-Band Ip web remote control via secure login

AUTOMATIO
N

Integrations Compatible with any Automation, set channels numbers and names, auto-detects formats & resolutions changes on the fly.
Then Usually the Automation controls the sources and the destination TVs to select the channel to watch as there is no need to change the encoder settings at any time. Easy To Install, Simple to Operate, Reliable, Cost-Effective, Real-Time with no maintenance required.





Applications

- Internet TV HD Encoder
- Can be accessed NVR for DVR
- Digital signage HD stream server
- Video conference system video server
- Internet conferencing system video capture
- Replace HD video capture card
- Hotel TV System