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MD 3GPP HEAD END

3GPP creates a framework for watching videos at mobile handsets via a unicast RTP streaming. MD 3GPP HEAD END is comprised from 2 servers: BROADCASTER and STREAMING SERVER.

BROADCASTER

Broadcaster performs real-time H.263 video encoding and AMR audio encoding and encapsulates it into unicast IP UDP RTP packets. This server has to be placed close to the source of audio-video signal.

Audio-Video Inputs

- Satellite receiver
- USB camera
- Analogue grabbing board

Output

- Ethernet, IP UPD RTP packets

Video encoding

- H.263
- 128 x 93 pixels
- 5-10 frame per second

Audio encoding

- AMR 4,7 – 12,26 kbps

STREAMING SERVER

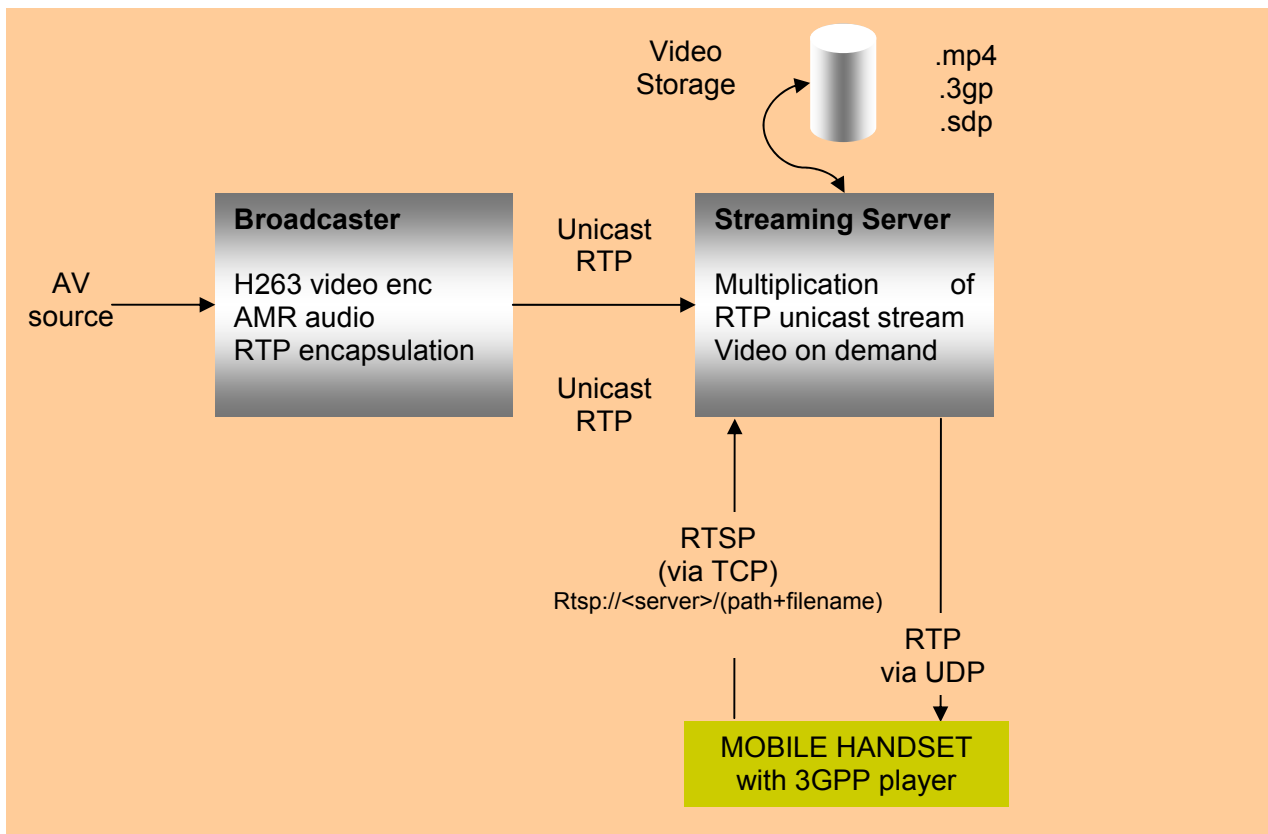
Streaming Server provides multiplying of unicast RTP streams to multiple user mobile handsets. It also provides video-on-demand services.

3GPP video streams can be played by handsets with built in 3GPP decoders players.





3GPP network topography



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