

TV Headend – HW a aplikace

Praha, 13.3.2015

Martin Novotný

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Úvod

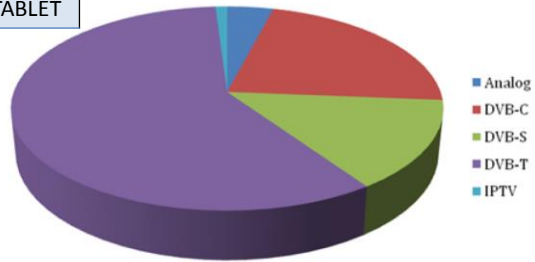
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Vize
Řešení
Q&A

Lineární Multiscreen



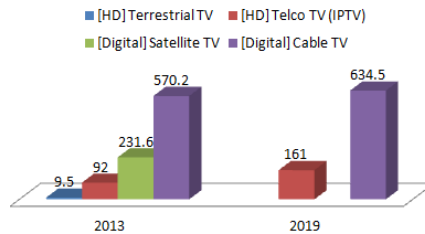
Live	MPEG	Broadcast (ABR)
VOD	RTSP	Broadcast (ABR)
Přenos	QAM	HTTP, Unicast
Zařízení	STB	PC, STB, TABLET



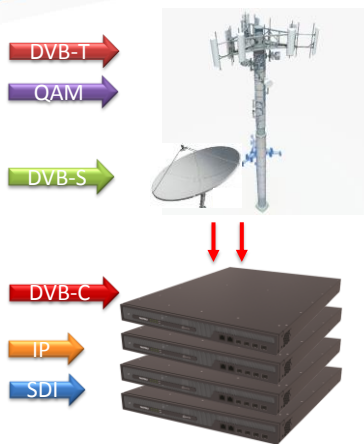
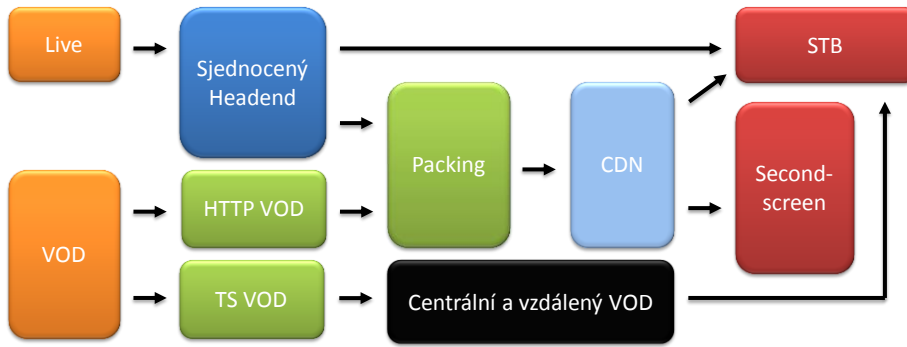
- Network PVR
- time-shift
- VOD
- nárůst UHD (4K)

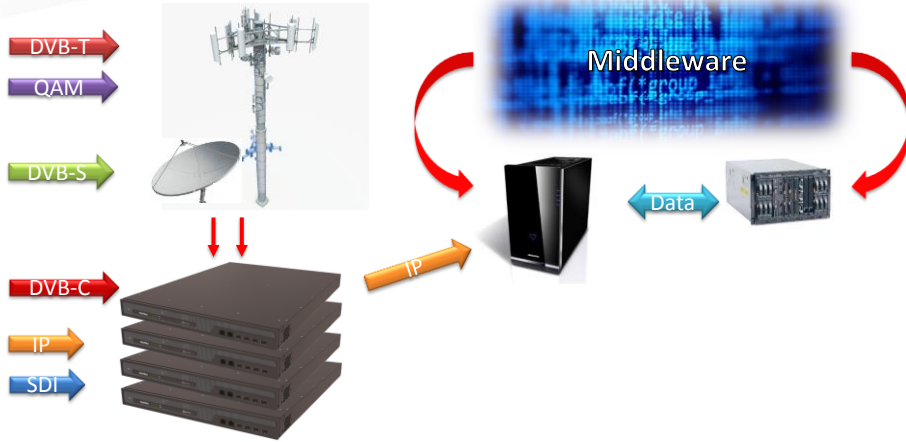
Live	ABR (AVC, HEVC)
VOD	ABR (AVC, HEVC)
Přenos	HTTP, unicast/multicast
Zařízení	IP STB, second screen

Worldwide pay-TV market, number of subscribers in millions (ABI Research)

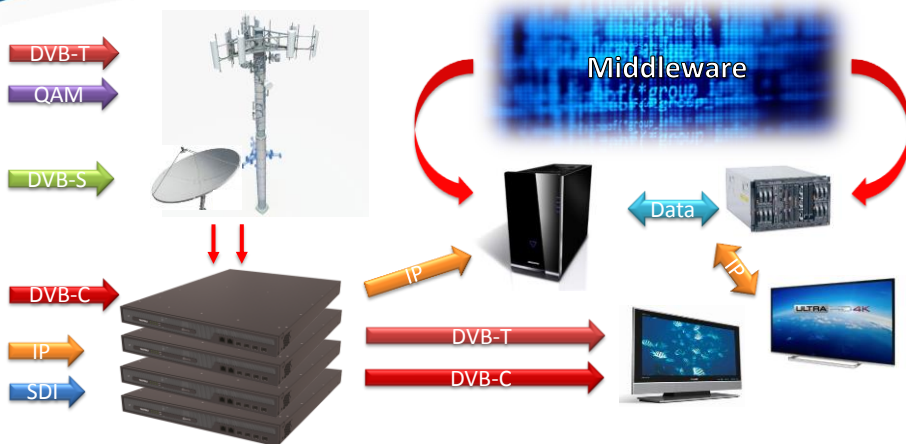


Myšlenka

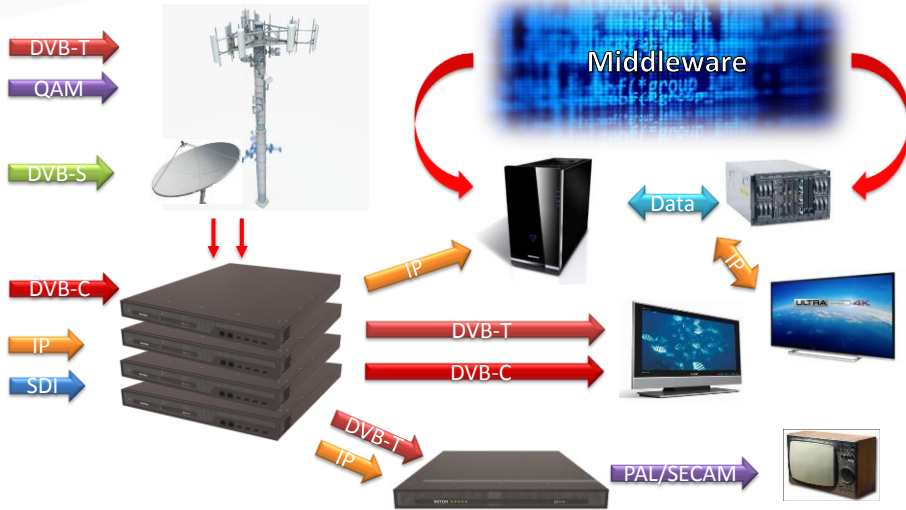




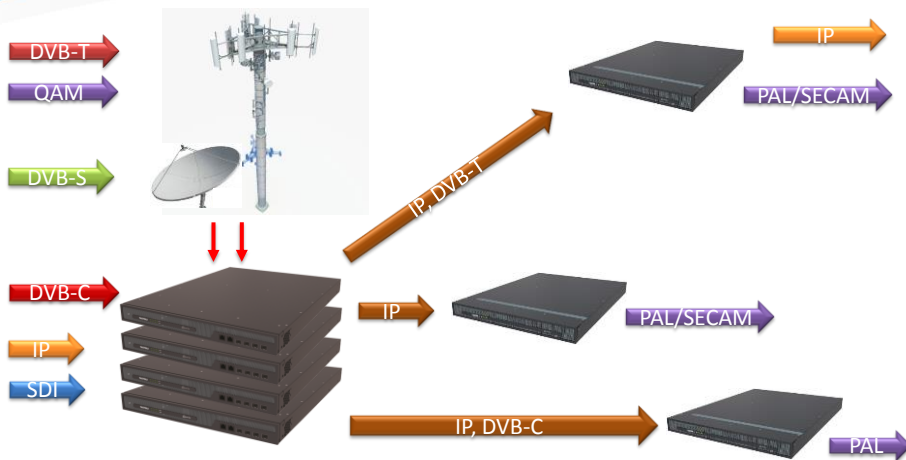
TV Headend



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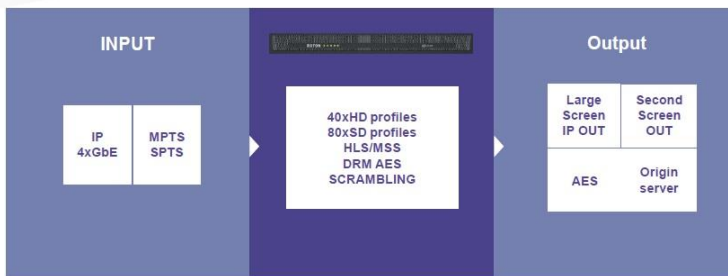
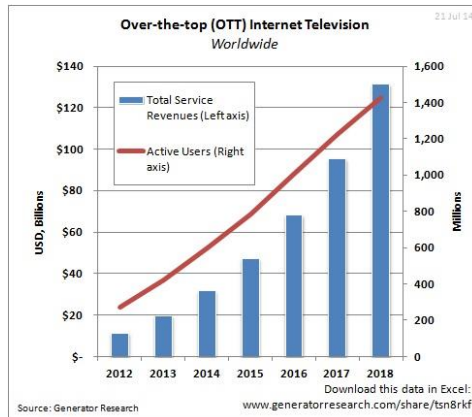
- Direct Digital Synthesizer (DDS)
- Flexibilní channel plan
- Nízká spotřeba – do 100W



OTT



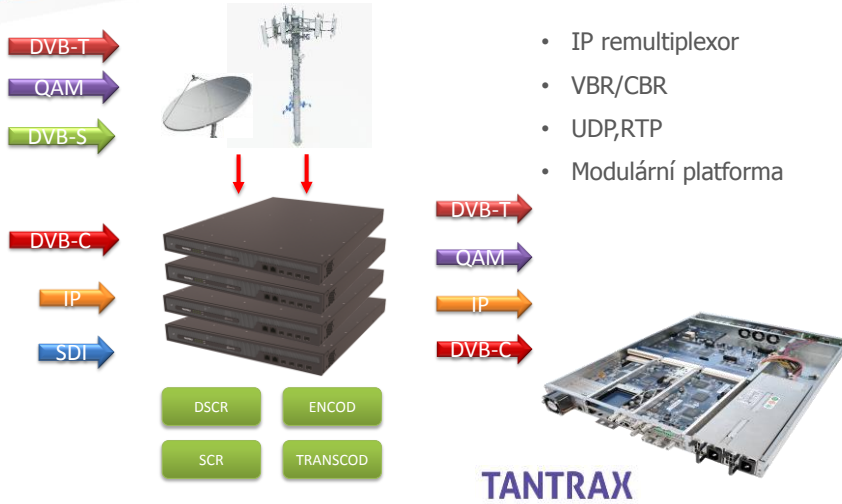
IPTV



- ABR, CBR, VBR
- HLS, SS, HDS, MPEG
- Transcoding

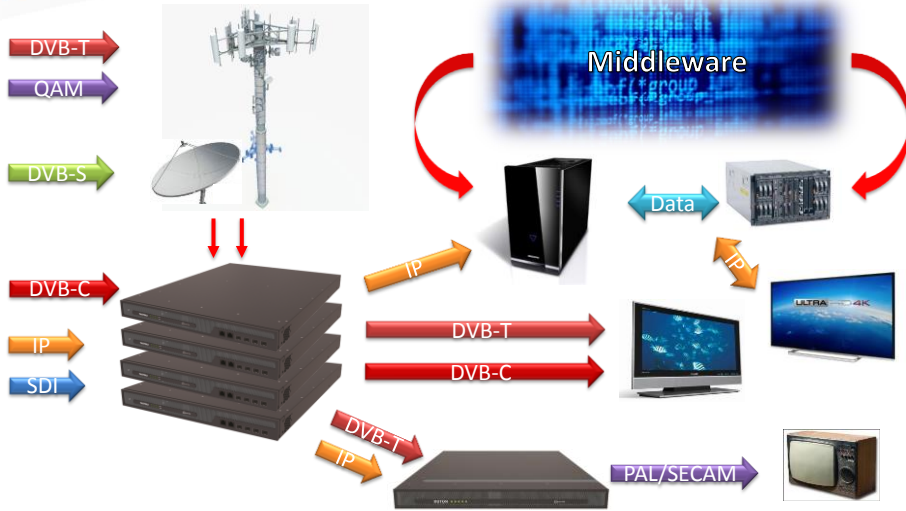
CASTON





- IP remultiplexor
- VBR/CBR
- UDP,RTP
- Modulární platforma





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Q&A



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