



DVB's UHD specifications for broadcast and broadband

Jason Power (Dolby)
Chair, CM-AVC

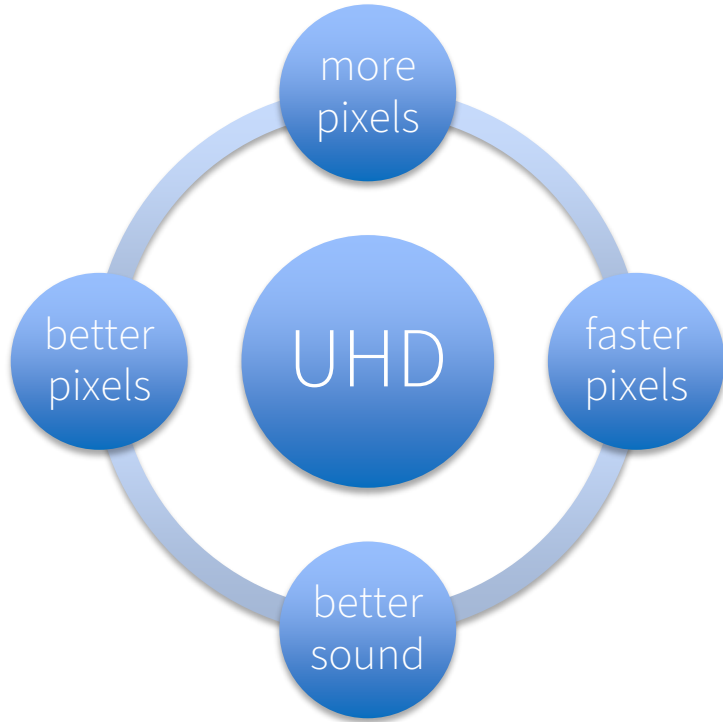
DVB is...

...a business-to-business industry alliance of the world's leading digital media and technology companies.

Working through **consensus**, DVB designs **open technical specifications** for the delivery of digital television and other broadcast and broadband services.



The UHD experience



- There are multiple dimensions to UHD
- DVB provides a comprehensive and flexible toolkit
- Applicable to broadcast and broadband delivery
 - Cable, satellite, terrestrial, IPTV
 - Linear broadband TV (DVB-I), HbbTV

The DVB UHD toolkit

UHD-1 Phase 1
TS 101154 V2.1.1
March 2015

UHD-1 Phase 2
TS 101154 V2.3.1
February 2017

The DVB UHD toolkit

standard dynamic
range (10 bit)

wide colour gamut
(BT.2020)

4K (2160p)

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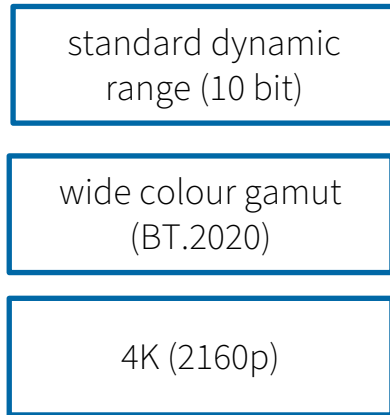
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next gen audio
(AC-4, MPEG-H)

high frame rate
(100/120Hz)

high dynamic range
(HLG10, PQ10)

wide colour gamut
(BT.2020)

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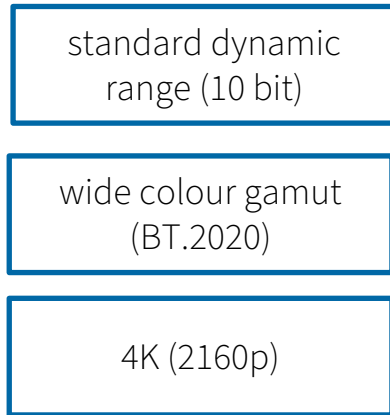
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UHD-1 Phase 2
TS 101154 V2.6.1
July 2019

Summary

- DVB provides a comprehensive and flexible toolkit for UHD services
 - 4K, HDR, Dynamic Mapping, Wide Colour, HFR, NGA
- DVB specs are powering the deployment of UHD platforms and services in the market
- DVB specs encompass all forms of traditional broadcast plus broadband delivery

<https://dvb.org/specifications/>

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