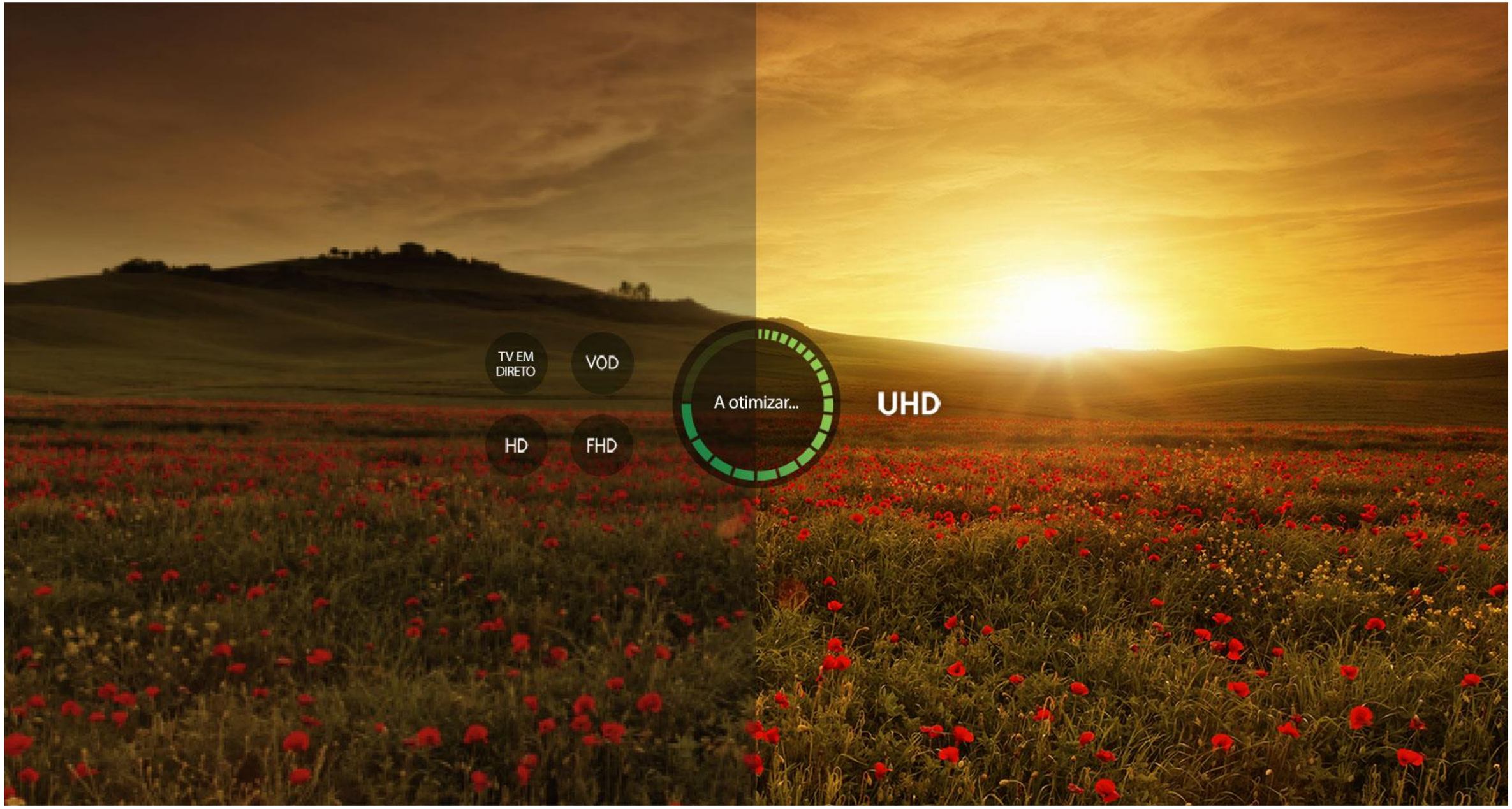
ESPECIFICAÇÃO “ULTRA HD PREMIUM”

WCG – Wide Color Gamut (Paleta de Cores)



ESPECIFICAÇÃO “ULTRA HD PREMIUM”

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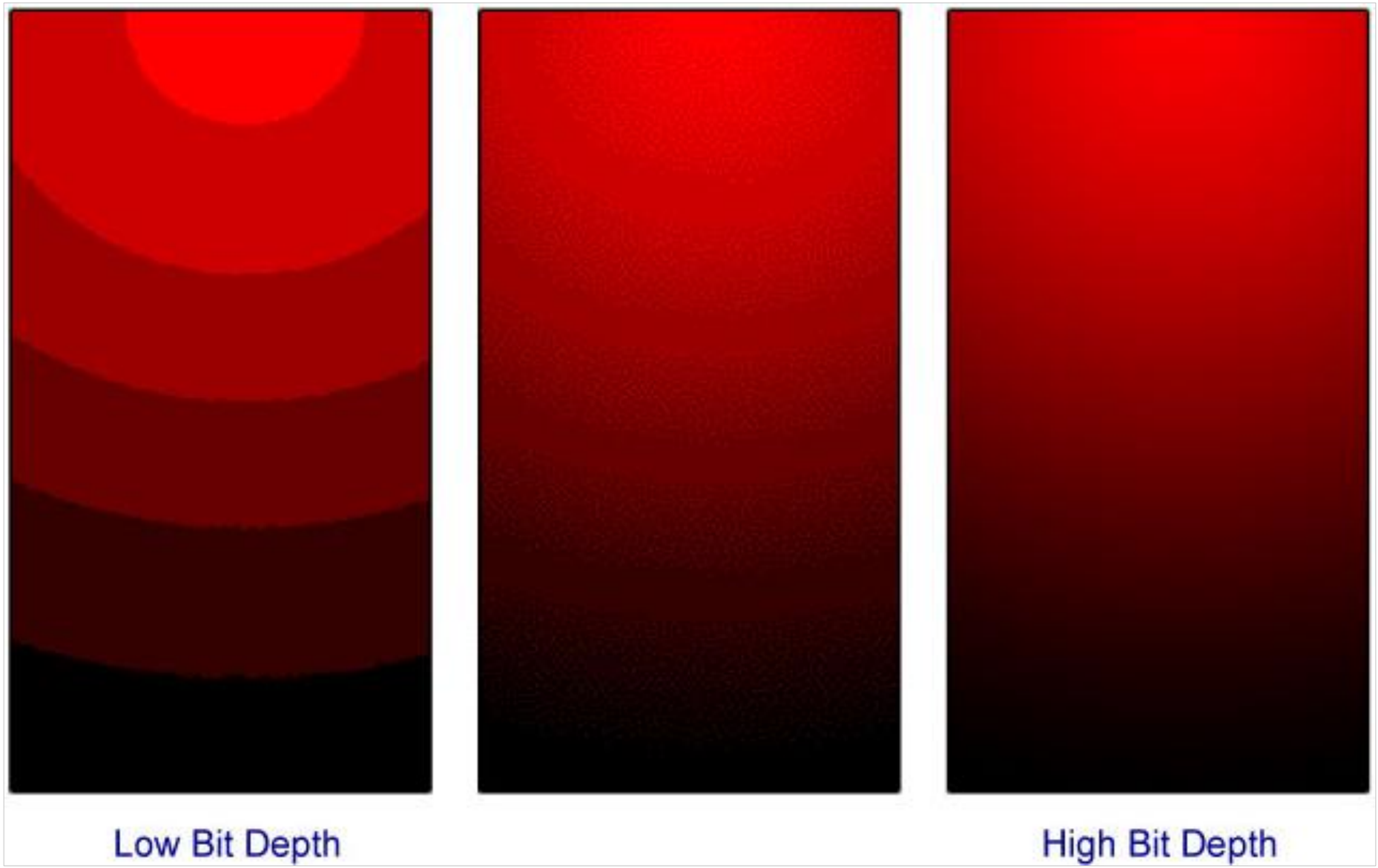


Cortesia UHD Alliance

ULTRA HD™ PREMIUM

4K ULTRA HD RESOLUÇÃO DA IMAGEM

4K ULTRA HD HDR – High Dynamic Range

4K ULTRA HD WCG – Wide Color Gamut

4K ULTRA HD **COLOR BIT DEPTH**

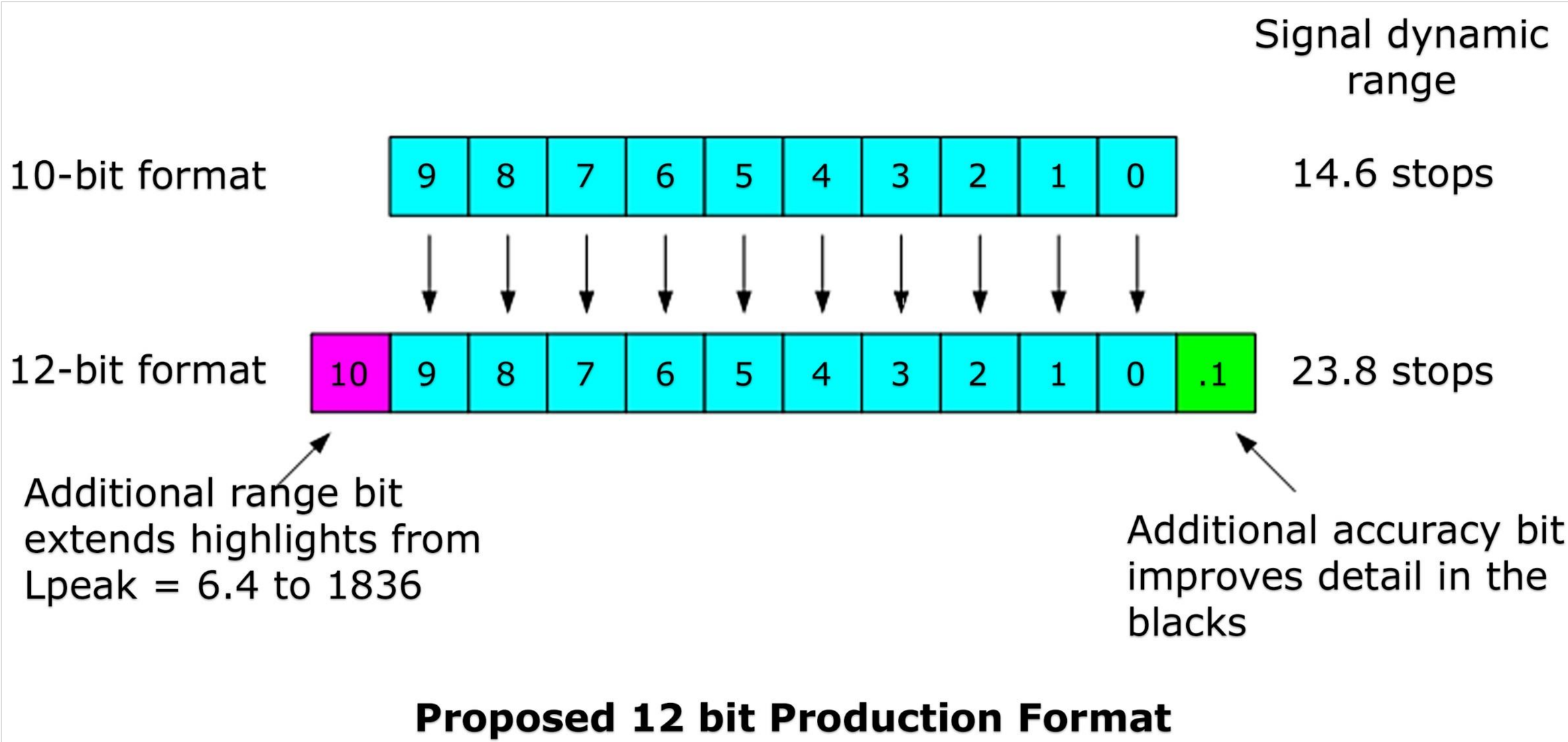
4K ULTRA HD HFR – High Frame Rate

4K ULTRA HD AUDIO IMERSIVO

LINK

ESPECIFICAÇÃO “ULTRA HD PREMIUM”

COLOR BIT DEPTH

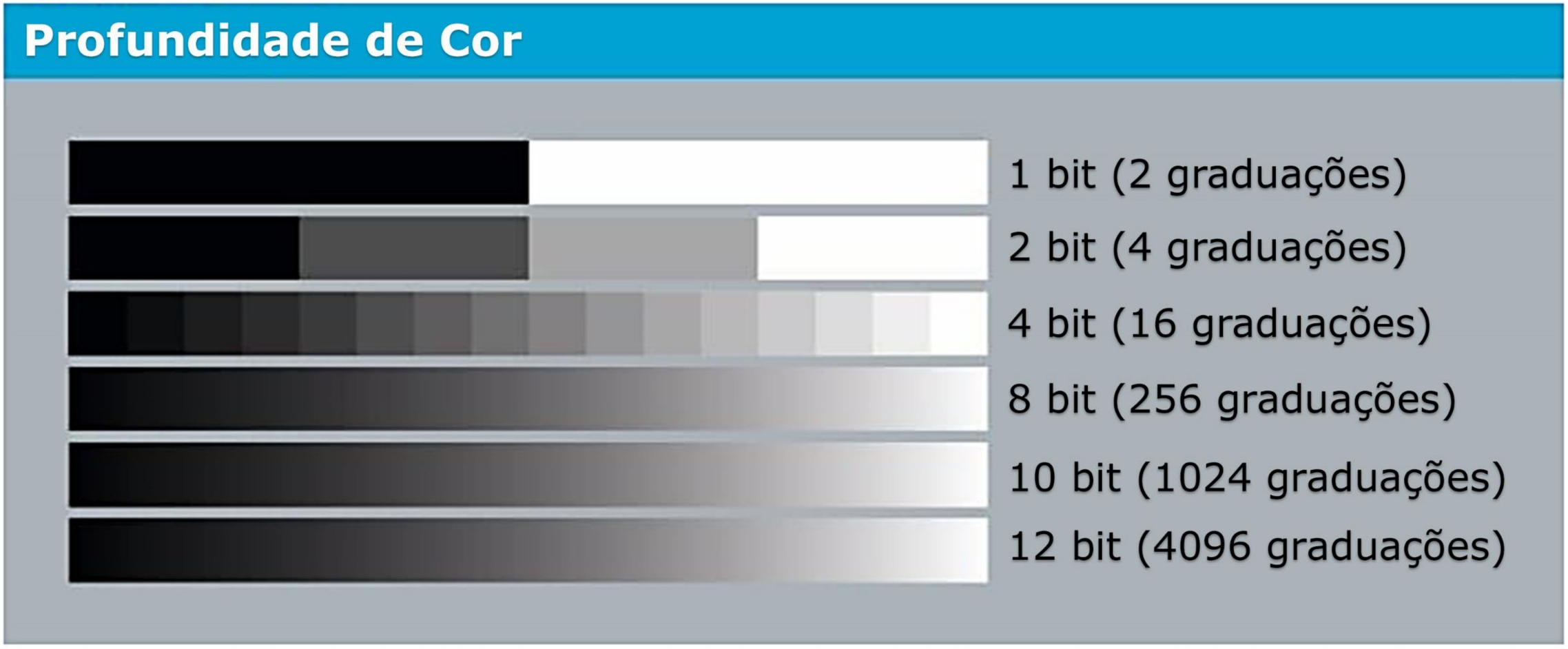


Cortesia BBC R&D

ESPECIFICAÇÃO “ULTRA HD PREMIUM”

COLOR BIT DEPTH

Rec. 2020 suporta até 12 bits (4096 graduações)
Já em SD e em HDTV a profundidade de cor é de apenas 8 bits (256 graduações)



Cortesia Rohde & Schwarz

ULTRA HD™ PREMIUM

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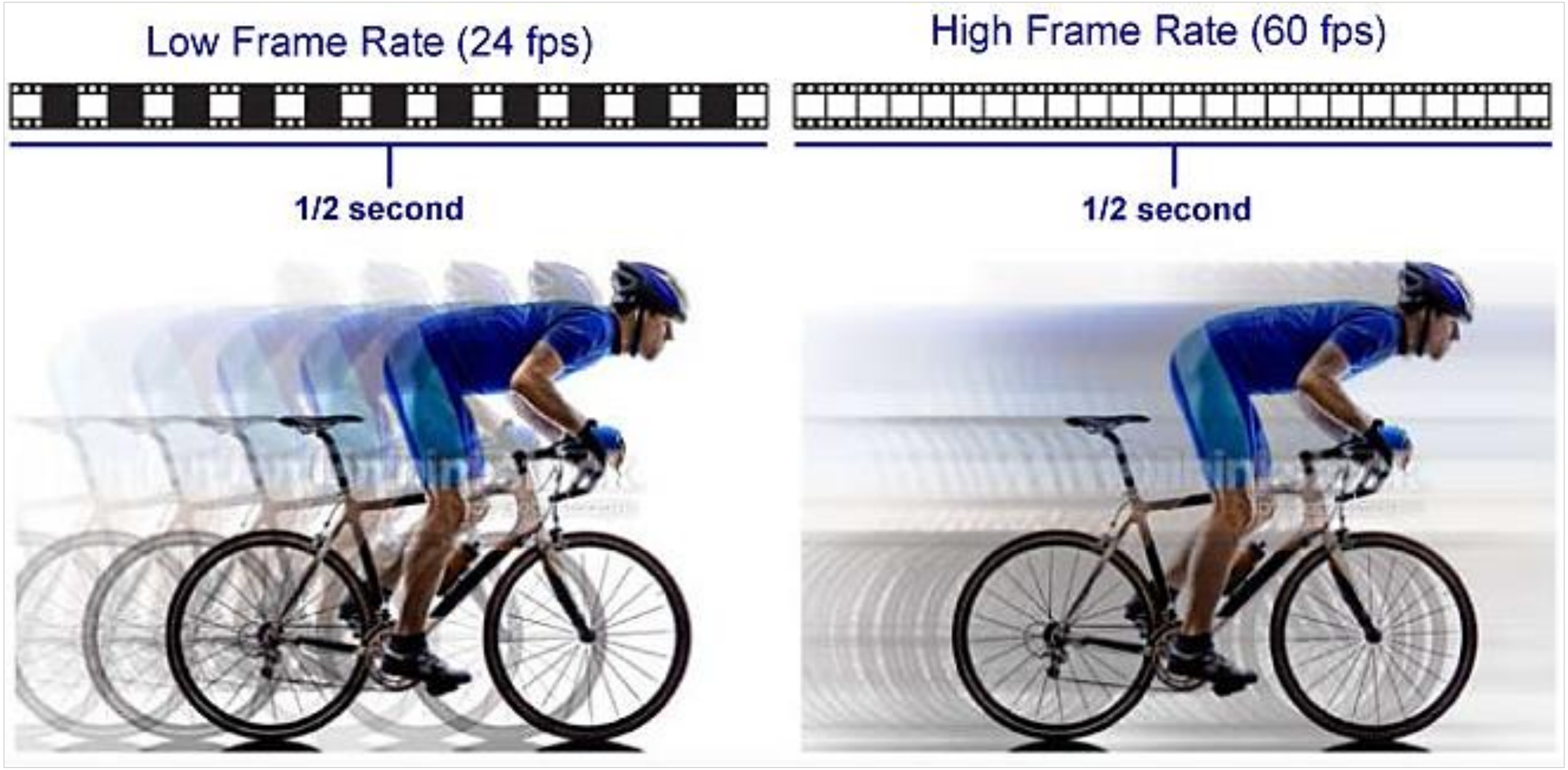
4K ULTRA HD **HFR – High Frame Rate**

4K ULTRA HD AUDIO IMERSIVO

LINK

ESPECIFICAÇÃO “ULTRA HD PREMIUM”

<u>HFR – High Frame Rate</u> – diz respeito ao número de amostras das imagens exibidas a cada segundo. Quanto maior o número, mais suavizado é o movimento e mais próximo da vida real



Cortesia UHD Alliance

ULTRA HD™ PREMIUM

4K ULTRA HD RESOLUÇÃO DA IMAGEM

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4K ULTRA HD WCG – Wide Color Gamut

4K ULTRA HD COLOR BIT DEPTH

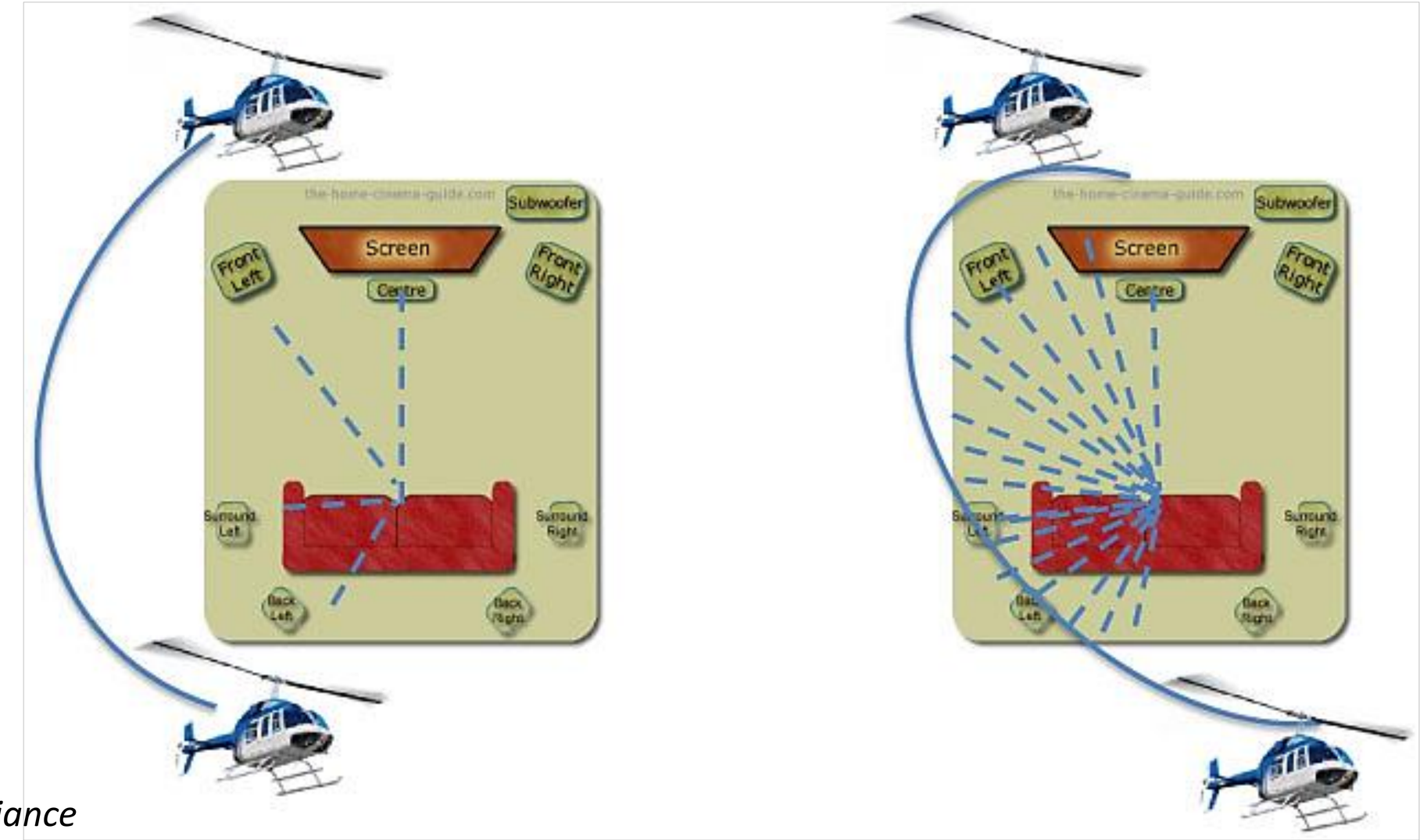
4K ULTRA HD HFR – High Frame Rate

4K ULTRA HD **AUDIO IMERSIVO**

LINK

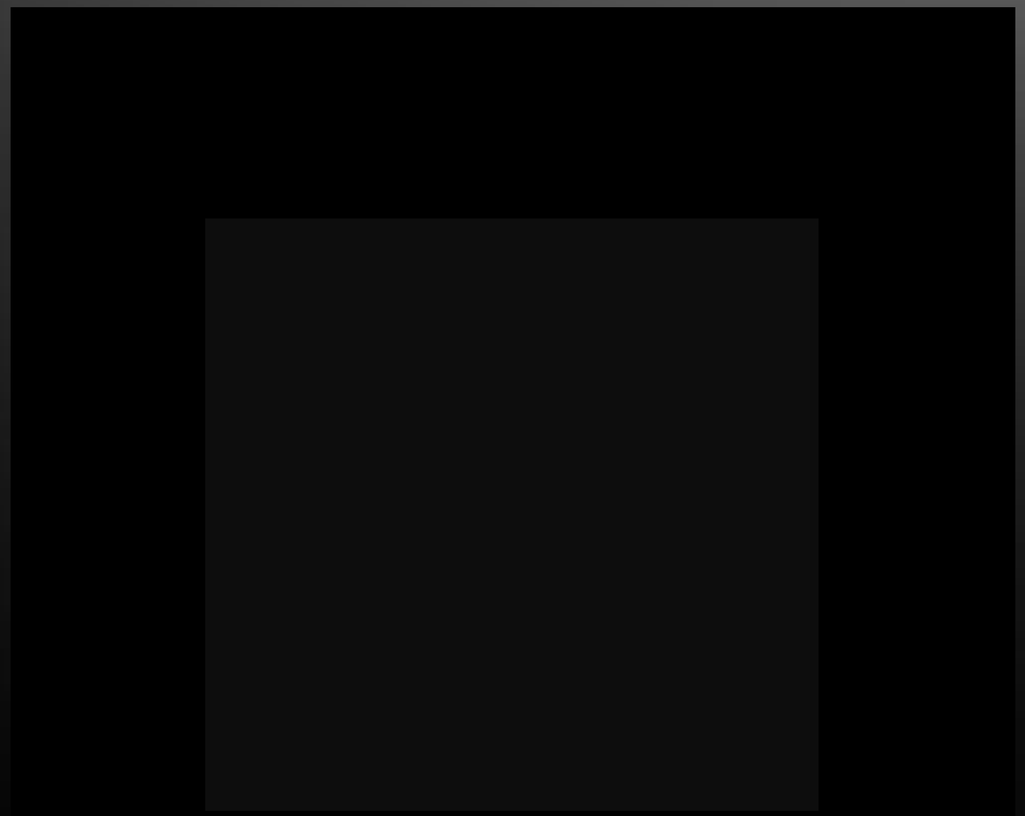
ESPECIFICAÇÃO “ULTRA HD PREMIUM”

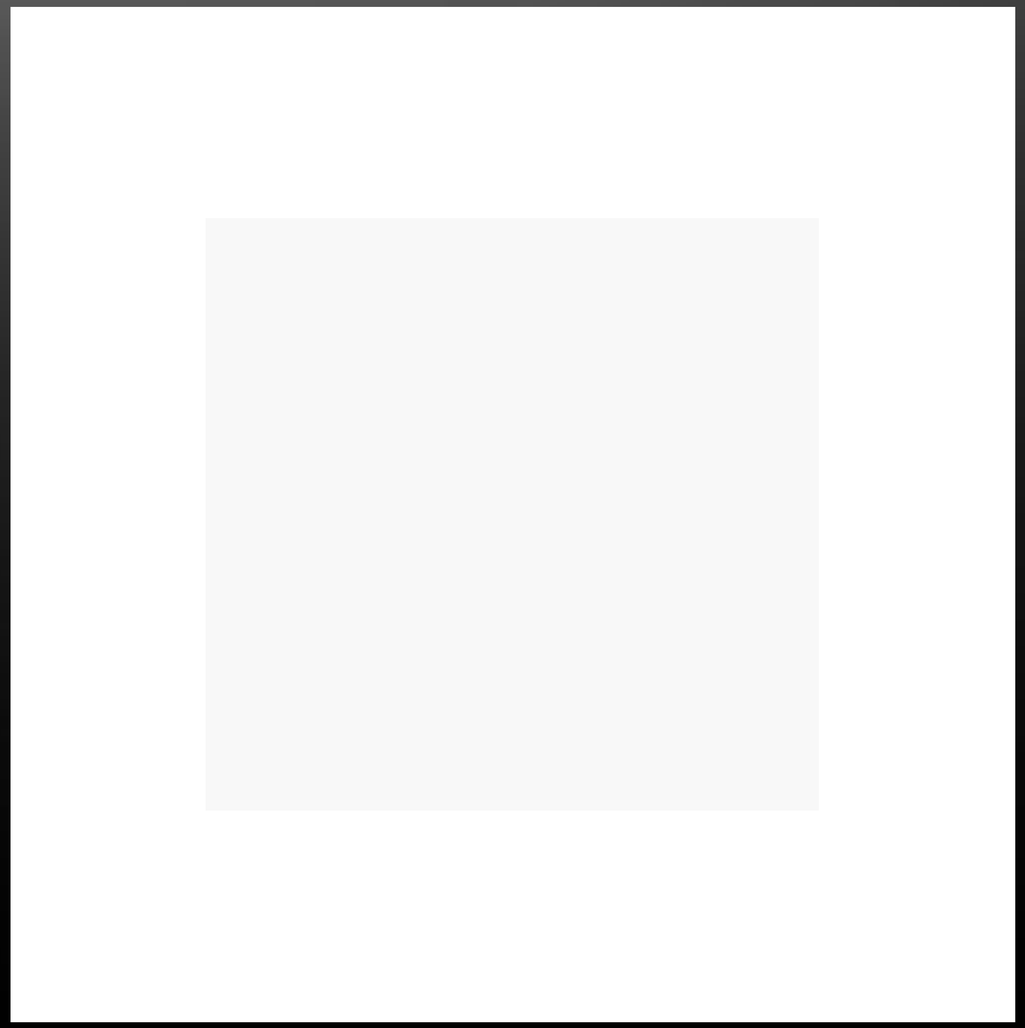
<u>AUDIO IMERSIVO</u> – o som é percebido pelo ouvinte como vindo de infinitos pontos ao invés dos tradicionais locais onde habitualmente são colocadas as caixas acústicas e, dessa forma, enriquecendo a experiência de visualização



Cortesia UHD Alliance

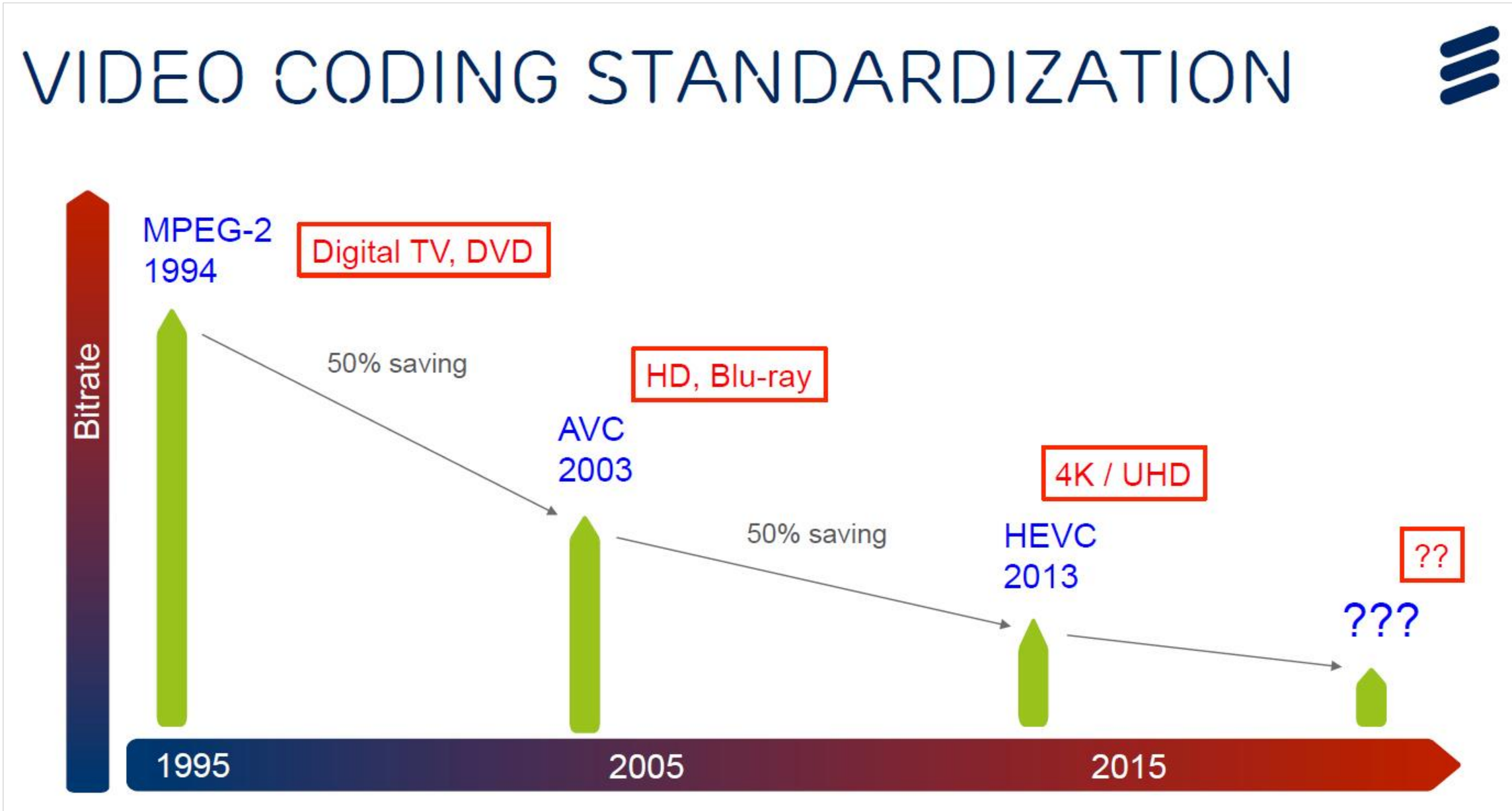
O olho humano é mais sensível às variações de brilho





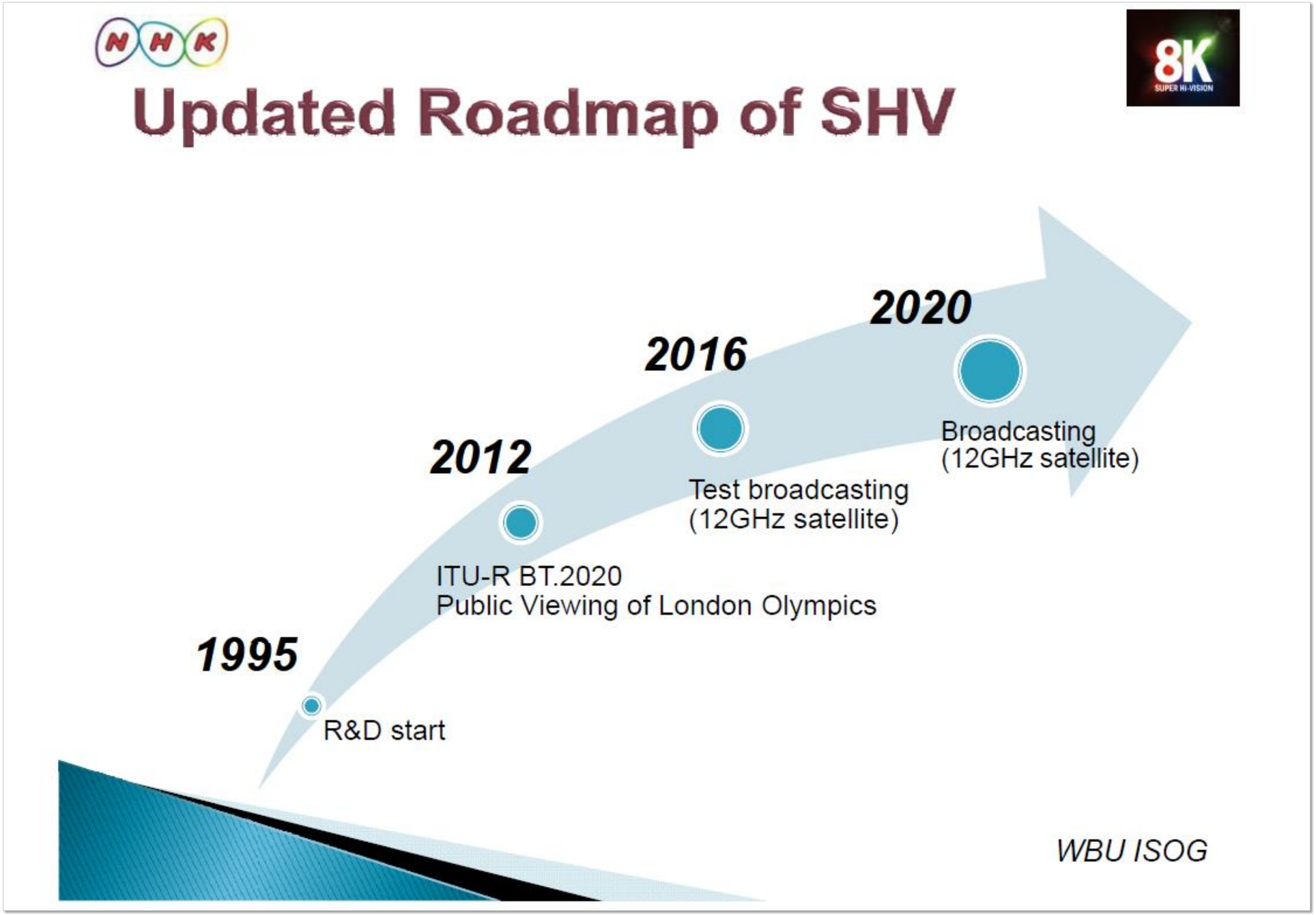
PAST
PRESENT
FUTURE

CODECs



Cortesia ERICSSON ConsumerLabs

ROADMAP

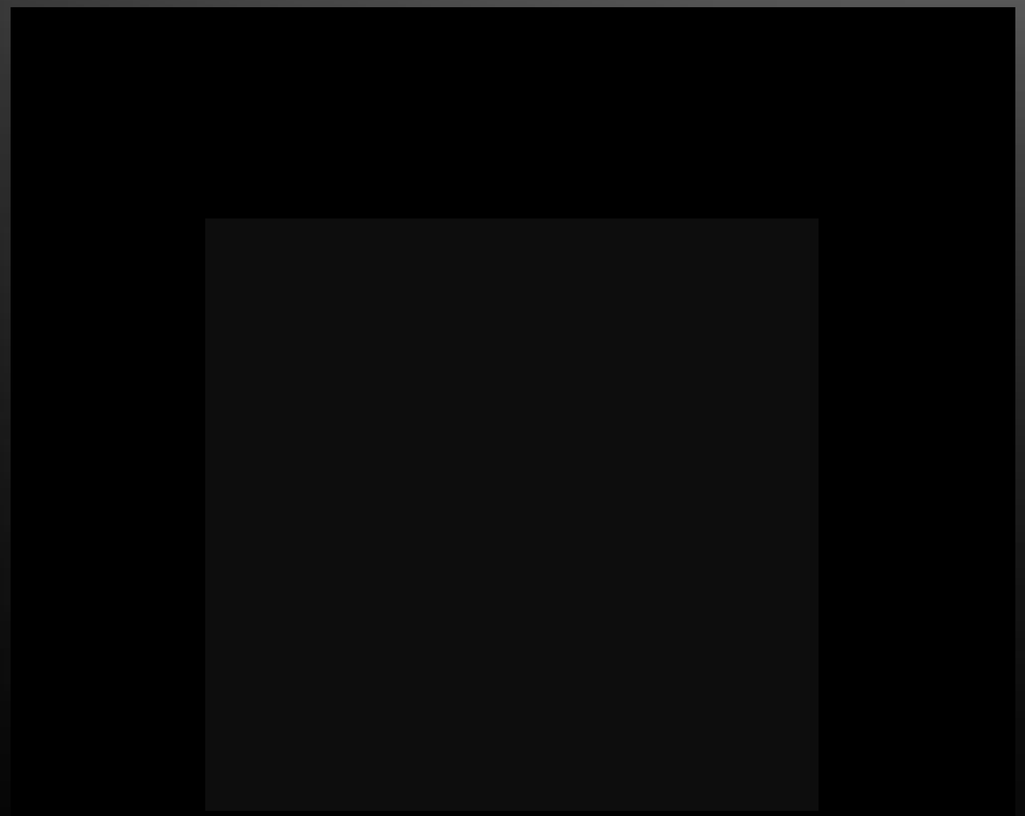


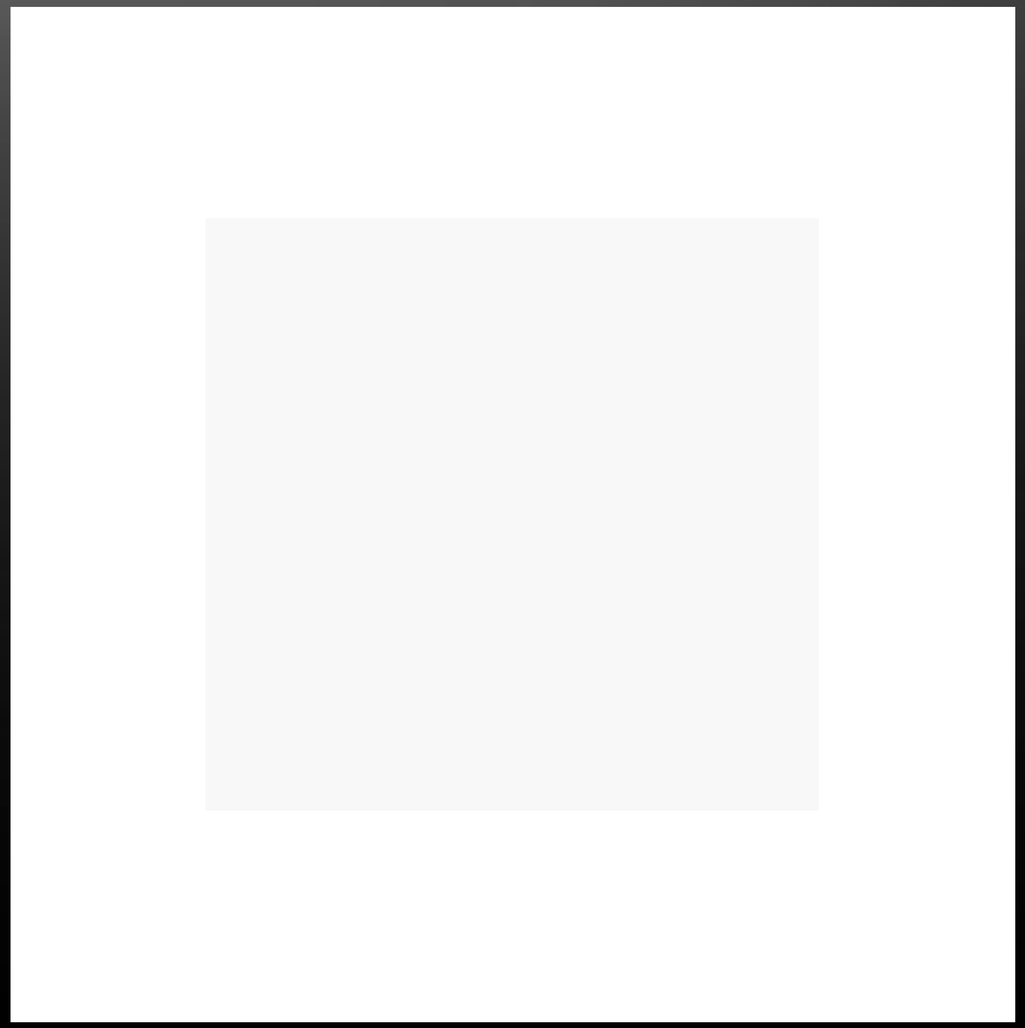
Cortesia NHK-STRL

ROADMAP

Cortesia NHK-STRL

O olho humano é mais sensível às variações de brilho





ULTRA HD™ PREMIUM

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UHD ALLIANCE - http://www.uhdalliance.org/

LINK

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