

Dolby's Current Mobile Customers



Video Services















Devices



























Silicon



















Carrier















DOLBY ATMOS®

FEEL EVERY DIMENSION™

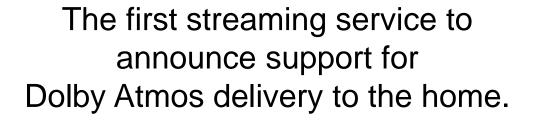
With Dolby Atmos sound technology, you'll hear astonishing clarity, richness, detail, and depth.

Sound moves around you in three-dimensional space, so you feel like you're inside the action. The sounds of a tropical storm are as palpable as if it were raining in your living room.

Dolby Atmos for OTT & Mobile





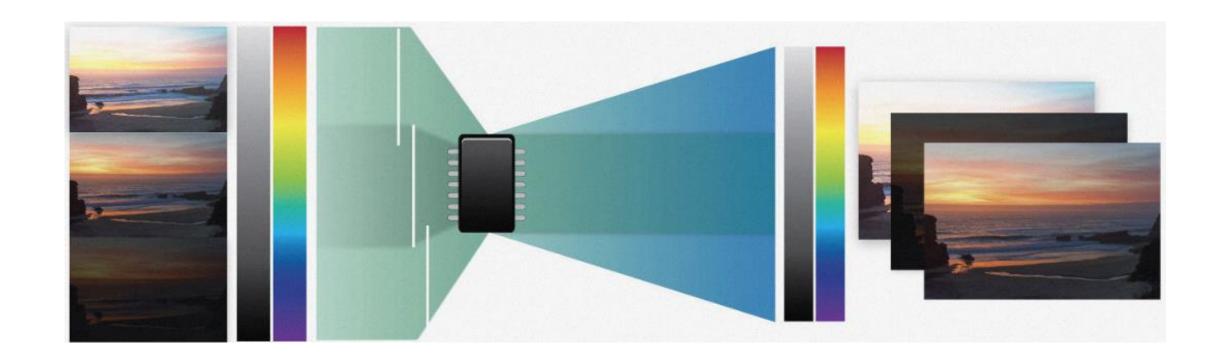




The new Fire HDX 8.9 tablet from Amazon is the first tablet to support Dolby Atmos movies from Amazon Instant Video.



JPEG-HDR

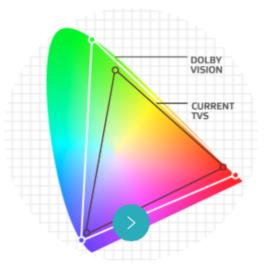




Dolby Vision

DOLBY VISION: 4,000 NITS

CURRENT TVS: 100 NITS







Contrast Unveiled

The Road to Better Video



Higher Spatial Resolution (4K)

More Pixels

Higher Temporal Resolution (Framerate)

Faster Pixels

Larger Luminance Range (HDR) & Color Palette (WCG)

Better Pixels



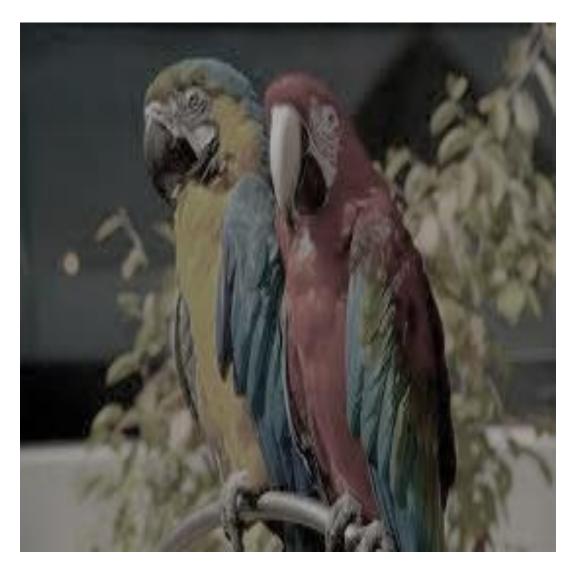




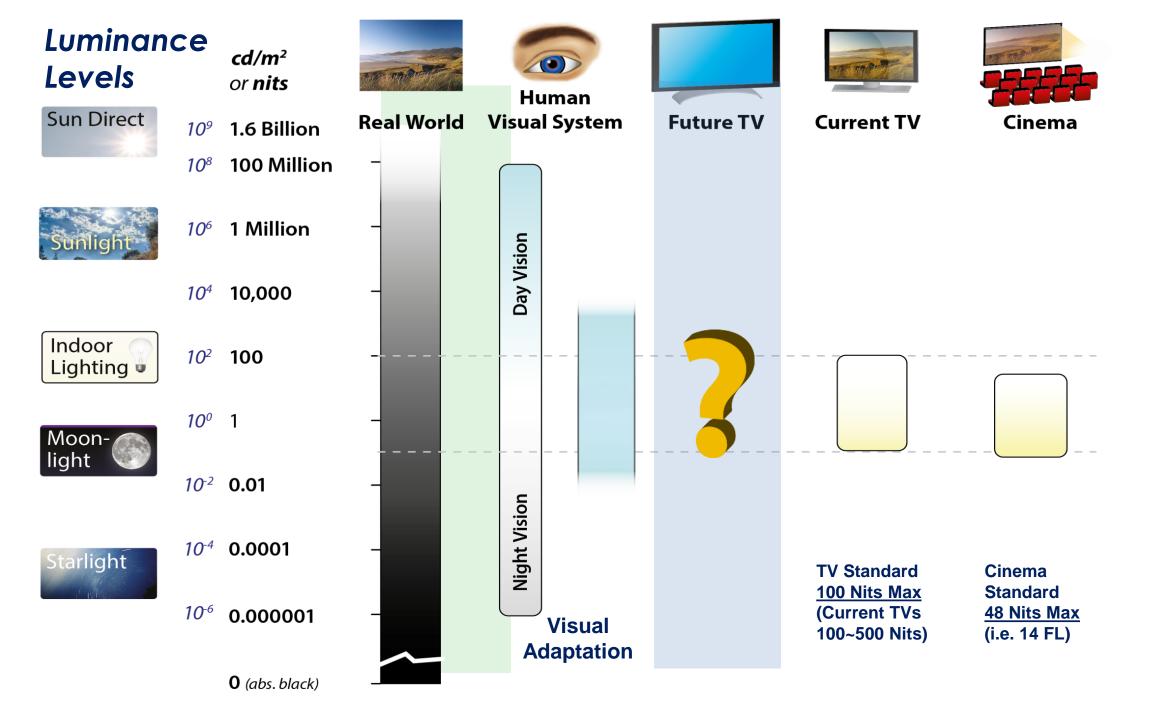
More and Faster Pixels "4K"

SYSTEM CATEGORY	SYSTEM NOMENCLATURE	LUMA OR R' G' B' SAMPLES PER LINE	LINES PER FRAME	FRAME RATE (HZ)
	3840 x 2160/24/P	3840	2160	24
	3840 x 2160/25/P	3840	2160	25
(4K)	3840 x 2160/30/P	3840	2160	30
	3840 x 2160/50/P	3840	2160	50
	3840 x 2160/60/P	3840	2160	60
UHDTV-1	3840 x 2160/100P	3840	2160	100
	3840 x 2160/120/P	3840	2160	120
~8 Megapixels				LEGACY
(3840 x 2160)	3840 x 2160/29.97/P	3840	2160	30/1.001
	3840 x 2160/23.98/P	3840	2160	24/1.001
	3840 x 2160/59.94/P	3840	2160	60/1.001
	3840 x 2160/119.88/P	3840	2160	120/1.001

Better Pixels: HDR & WCG





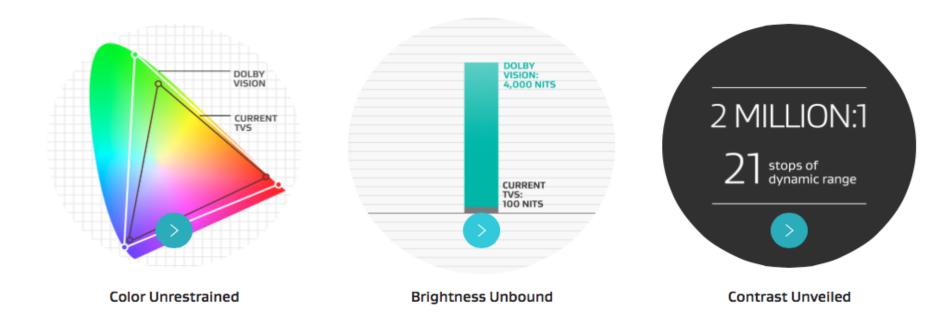




Bandwidth Bang for the Buck

	UHD Technology	Typical UHD Upgrade	Uncompressed Bandwidth Cost	Compressed Bandwidth Cost
More Pixels	Resolution	HD->4K	400%	120%-180% (HEVC)
Faster Pixels	Framerate	24/30->48/60/120fps	200-400%	120%-240% (HEVC)
Better Pixels	High Dynamic Range	SDR->HDR 10/12bit	125%-150%	110%-125% (DV 110%)
Better Pixels	Wide Color Gamut	REC-709->REC-2020	100% (requires HDR to avoid contouring)	100%

Dolby Vision



24 August 2015

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