

An aerial photograph of a tropical coastline. In the foreground, there are lush green hills and a small peninsula with some buildings. The water is a deep blue, and a small white sailboat is visible in the distance. In the background, there are more mountains under a blue sky with scattered white clouds.

Qualcomm

Leilani DeLeon

Director, Product Marketing, Gaming & XR

Qualcomm Technologies, Inc.



Hawaiian word of the day

Nō ka 'oi



Hawaiian word of the day

Nō ka 'oi

= the best



Transforming
premier mobile devices
into gaming machines

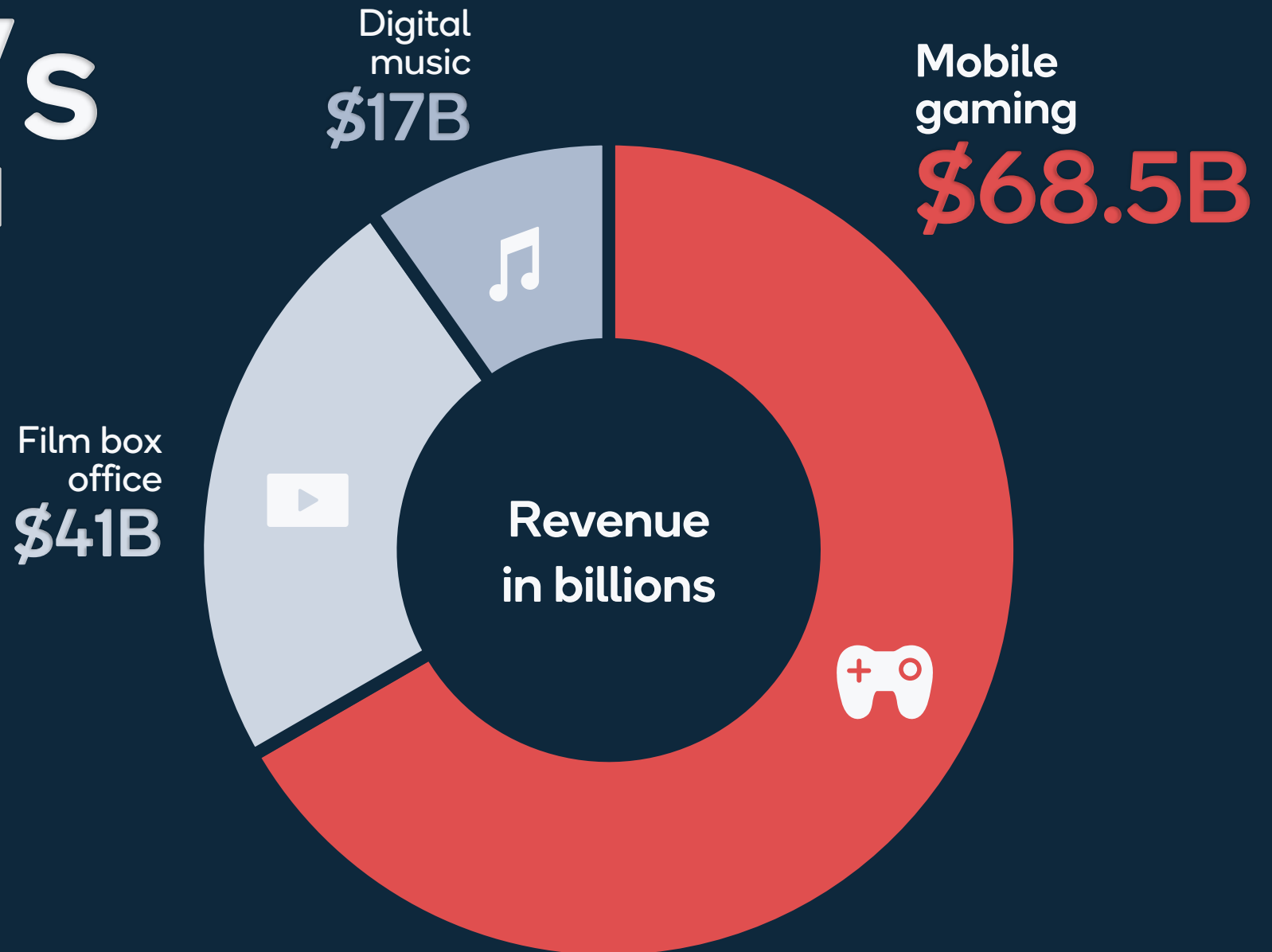


Gaming
accounts for

43% of all
smartphone use

74% of all
app store spend

Gaming's revenue eclipsed all other major entertainment categories



Gaming in XR



5G Cloud gaming



Mobile first generation



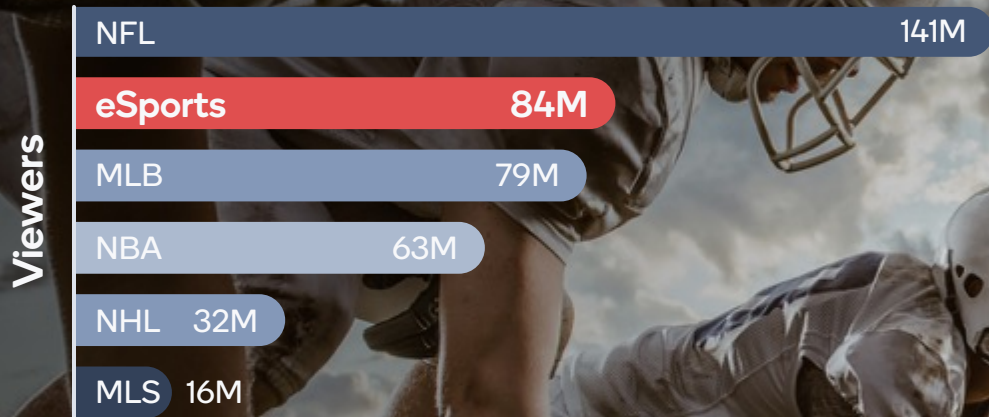
The era of
mobile gaming
is now

518 million
eSports viewers in 2020



eSports viewers in the United States

In the U.S., eSports will have more viewers than every professional sports league but the NFL by 2021



Myth

Professional
eSports gamer



@TSM_Myth



tsm_myth

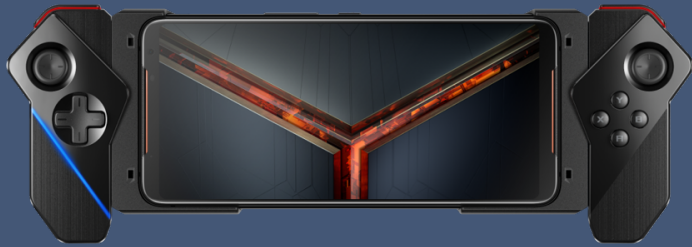


Freedom
to play virtually anywhere





A new category of smartphones



ASUS ROG Phone II



Nubia Red Magic 3



Black Shark 2



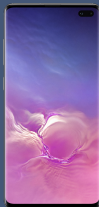
Razer Phone 2



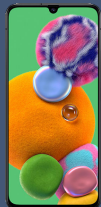
Samsung
Galaxy Fold



Samsung
Galaxy S10 +5G



Samsung
Galaxy S10



Samsung
A90



ZTE
Axon 10 Pro



Sony
Xperia 1



Sony
Xperia 5



Meizu
16s Pro



Smartisan
Pro



Lenovo
Z6 Pro



Vivo
iQOO Neo



Oppo
Reno Ace



Xiaomi
Mi 9 Pro



OnePlus
7T Pro



Realme
X2 Pro

Premium gaming preference

80% of gamers in China want specialized gaming phones

Most gamers desire & are willing to pay more for the **highest gaming capabilities**



Winning Matters

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Qualcomm

Todd LeMoine

Principal Engineer, Gaming
Qualcomm Technologies, Inc.

FORTNITE

CHAPTER

2



Qualcomm
snapdragon
elite gaming

Pushing
beyond
the limits





Ultra
smooth gaming

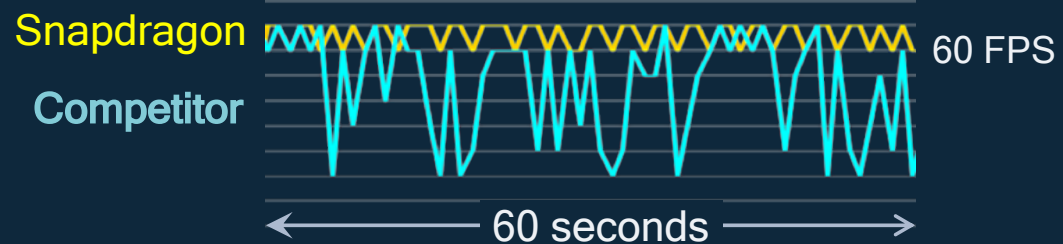
Highest
HDR quality

Desktop-level
features

Ultra smooth gaming

Qualcomm® Game Smoother

Game Smoother



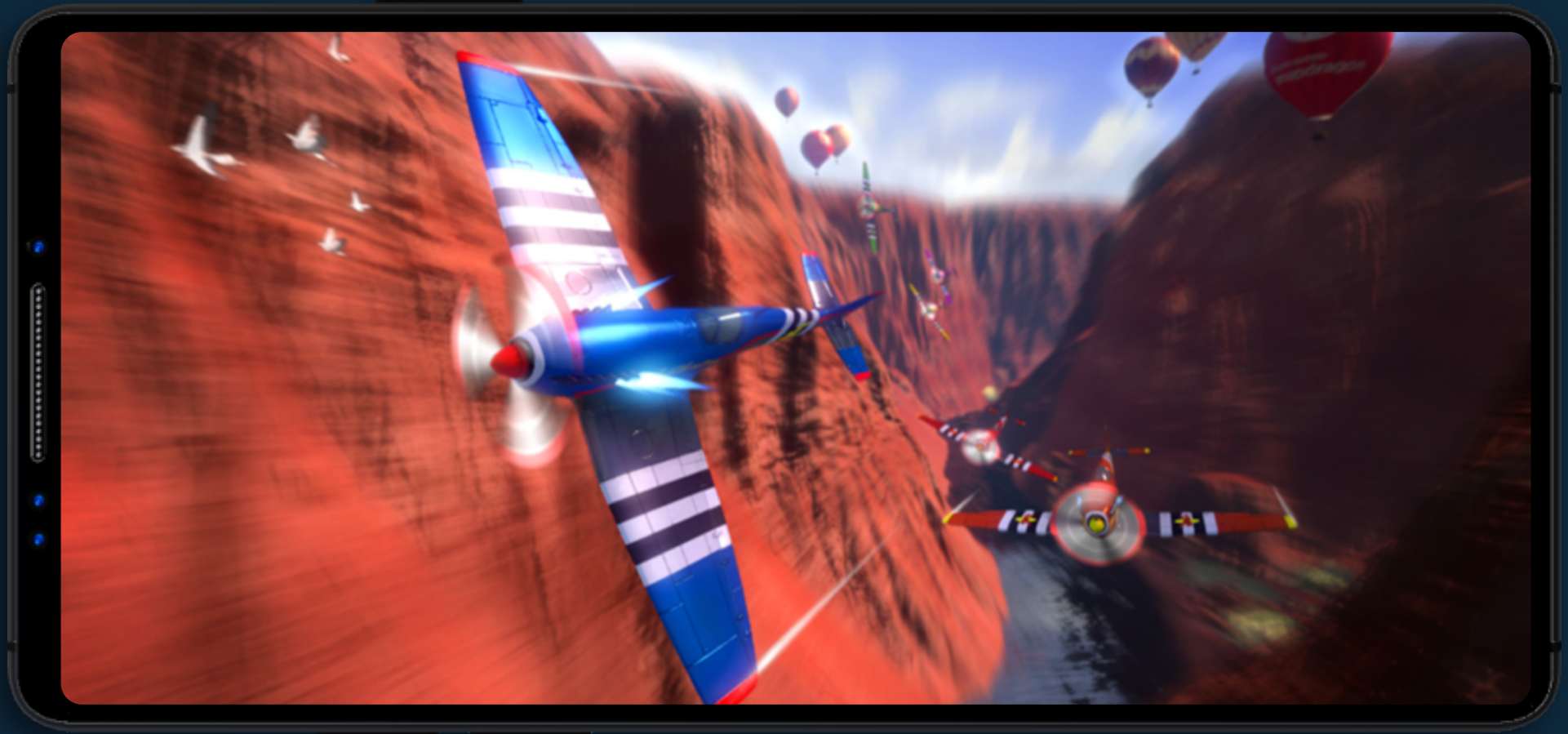
90 FPS gaming modes



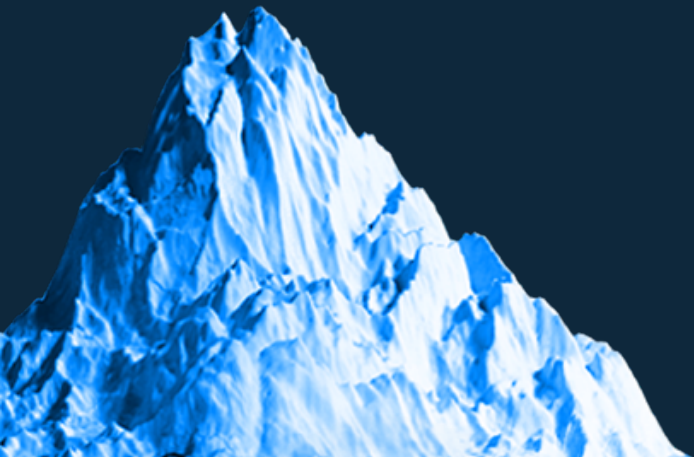
120 FPS gaming



1st 144 Hz displays



Highest
HDR quality





True 10-bit
HDR gaming



1 Billion Shades of Color

True 10-bit HDR gaming



Highest HDR quality

Qualcomm® Game Color Plus



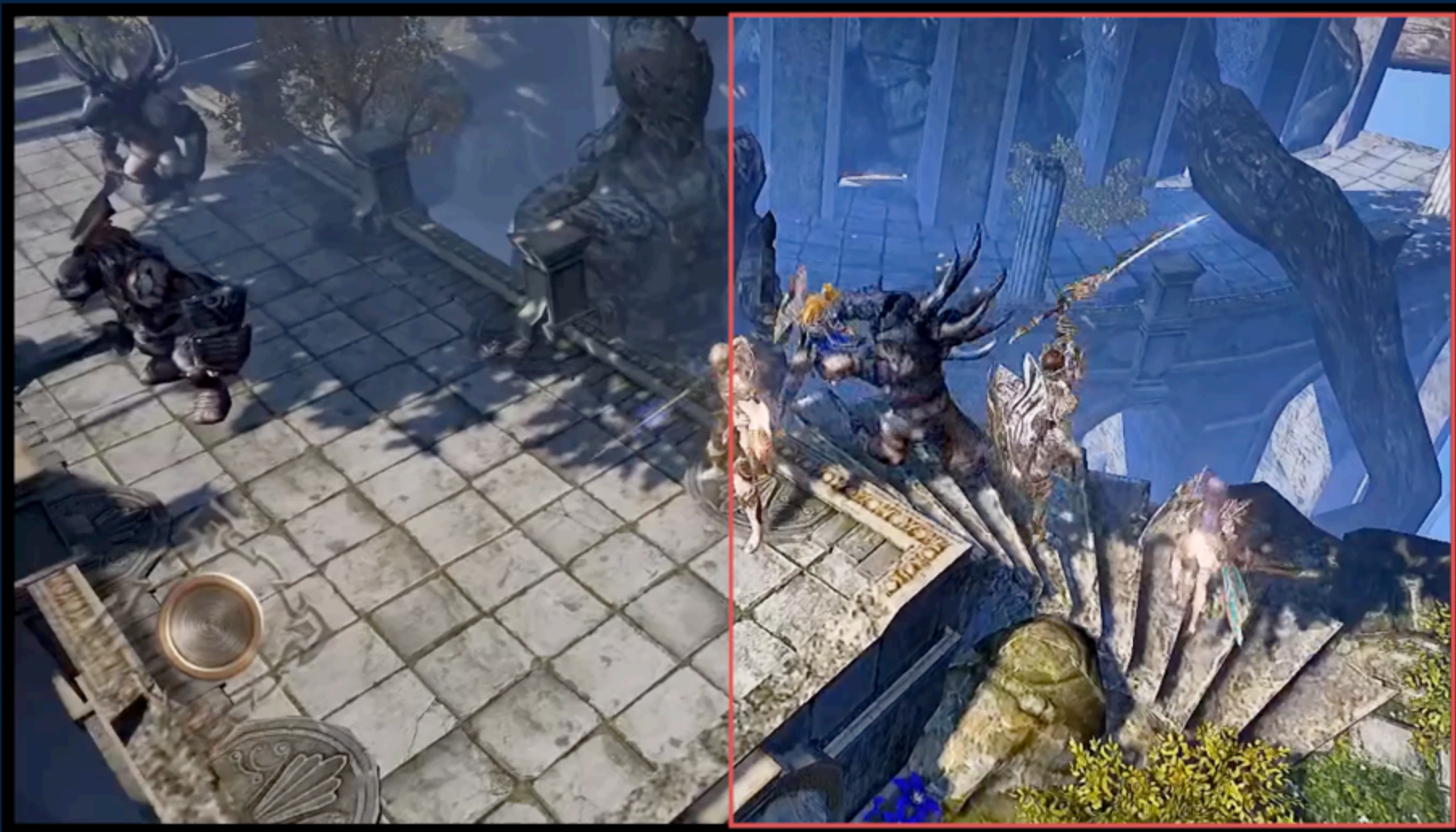
Game Color Plus



LINEAGE REVOLUTION



Game Color Plus



**Enhanced
Details and Contrast**


Game Color Plus



**Enhanced
Saturation Tuning**

Highest HDR quality

Qualcomm[®] Adreno[™]
HDR Fast Blend



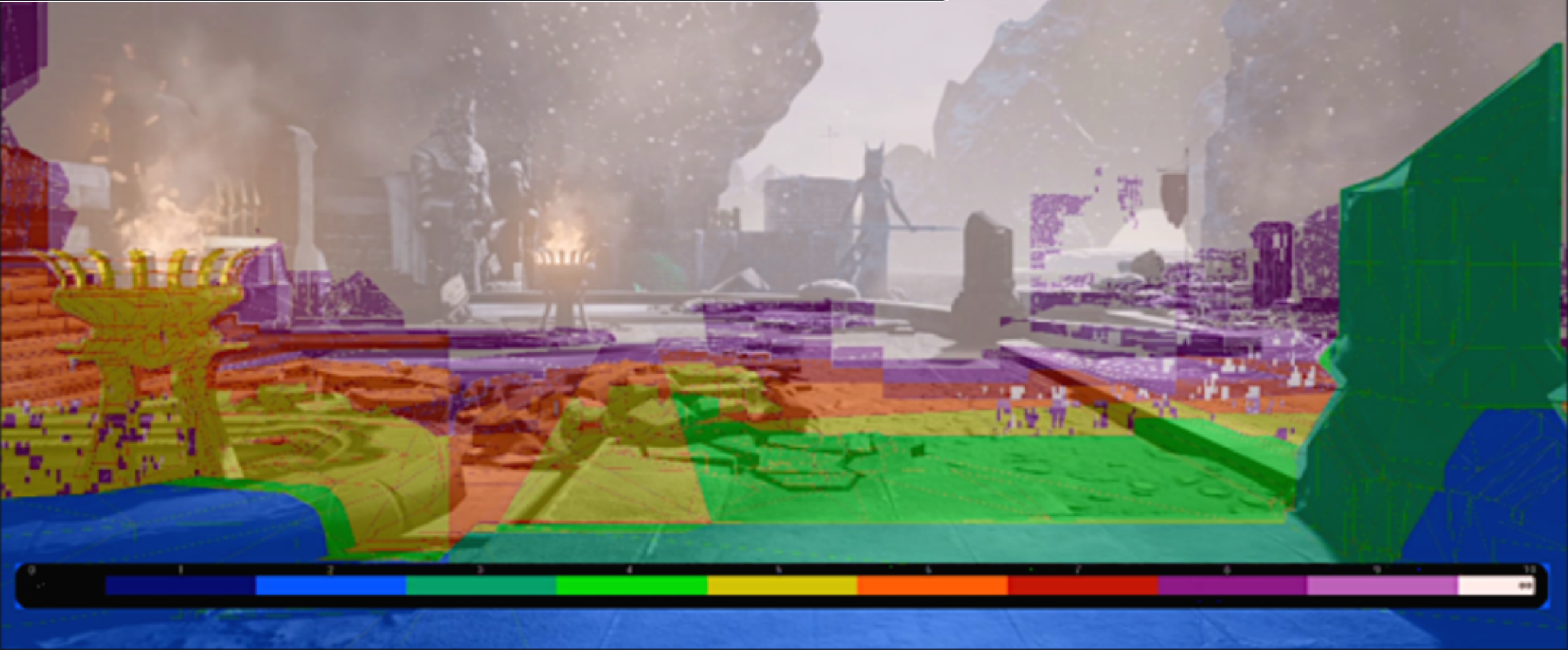
Qualcomm Adreno is a trademark of Qualcomm Technologies, Inc. and/or its subsidiaries.

Adreno HDR Fast Blend



Adreno HDR Fast Blend

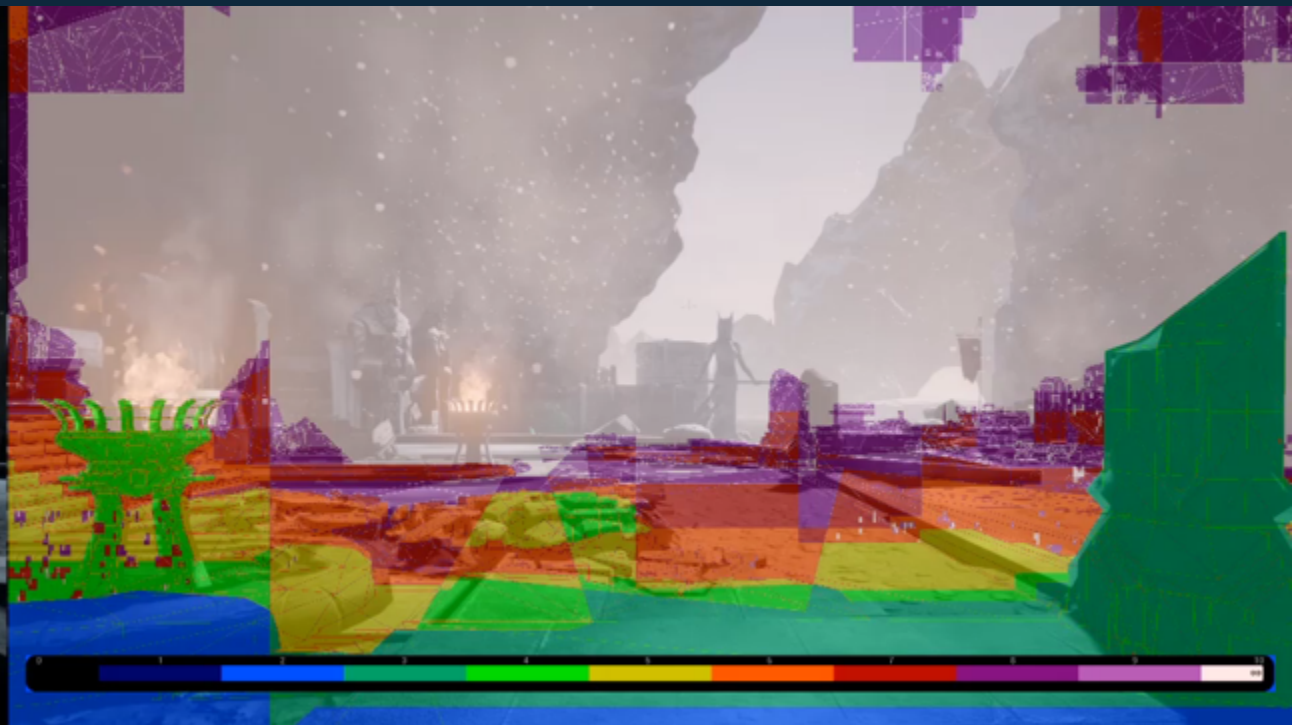
HDR blending layers



Adreno HDR Fast Blend



2x faster



Hardware accelerated

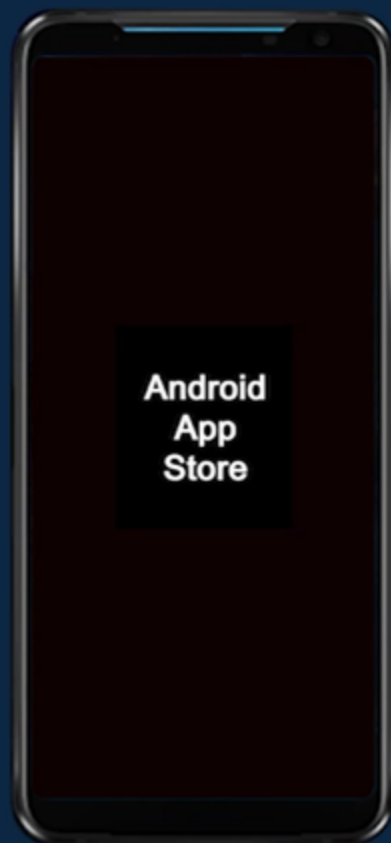
1st

Desktop-level features

Updateable
GPU drivers



Updateable GPU drivers



1st

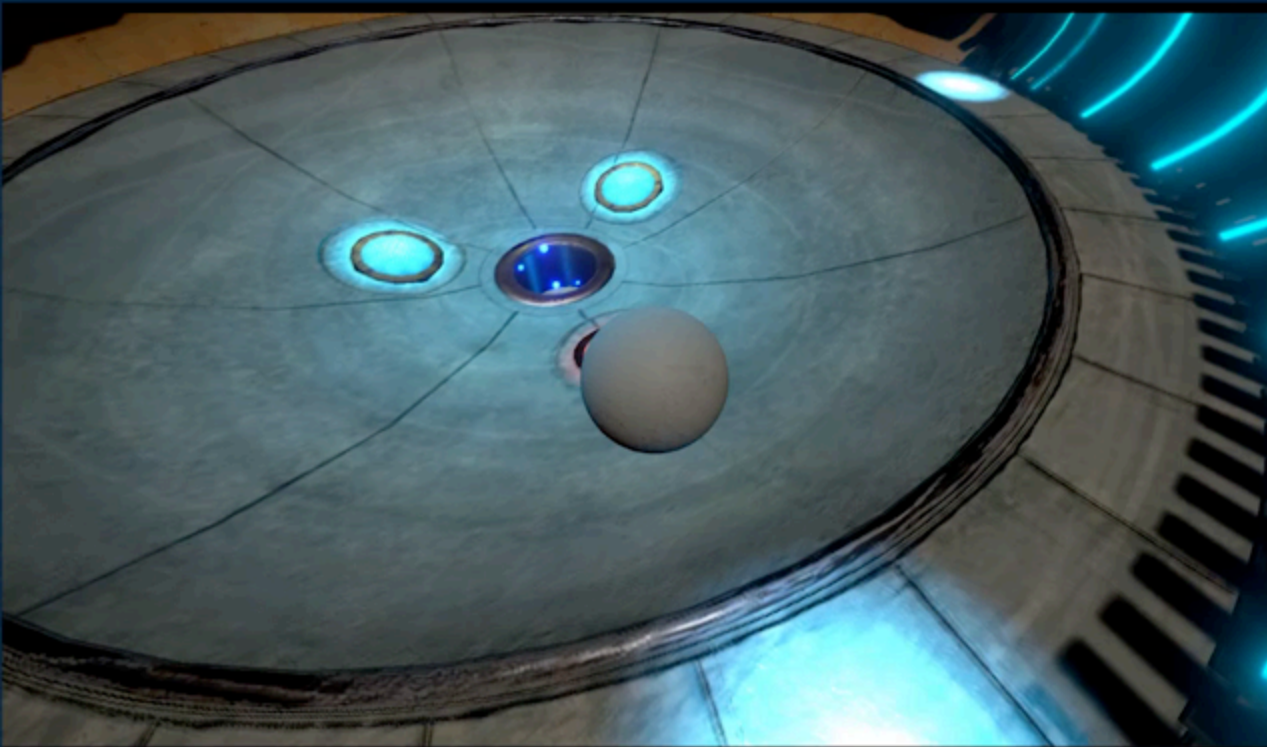
Desktop-level features

Desktop Forward
Rendering



Desktop Forward Rendering

Desktop Depth of Field



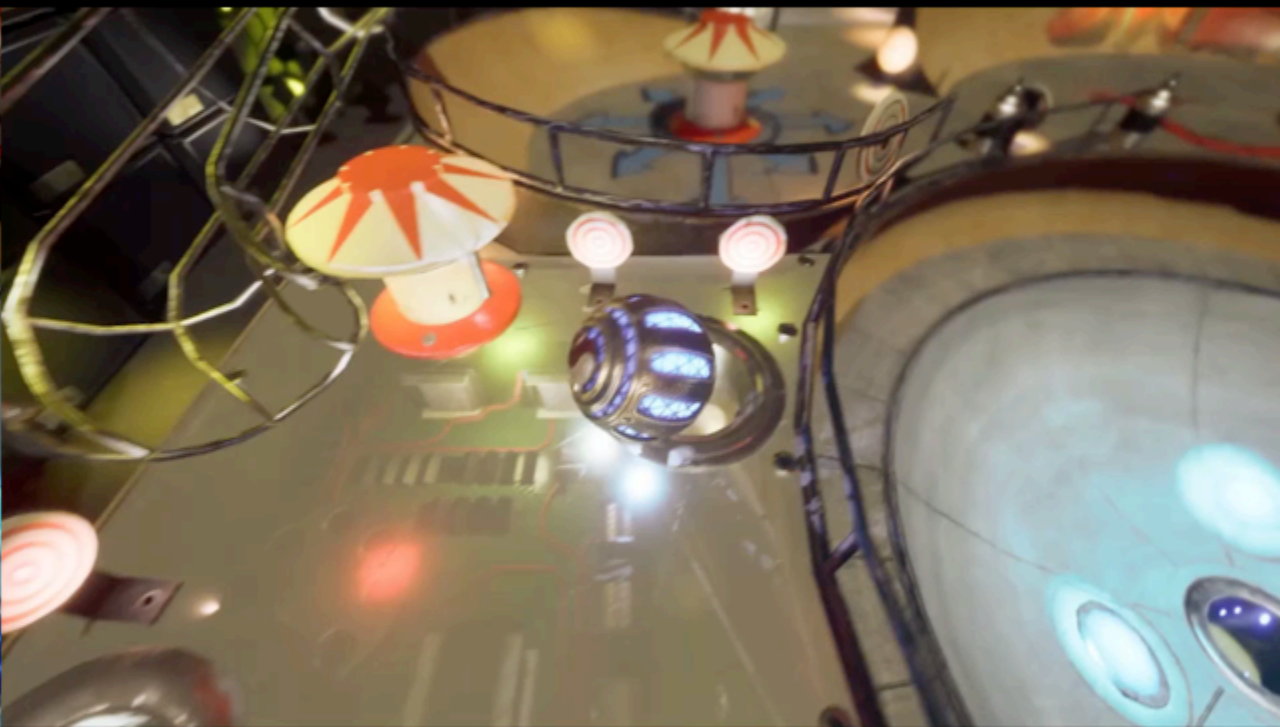
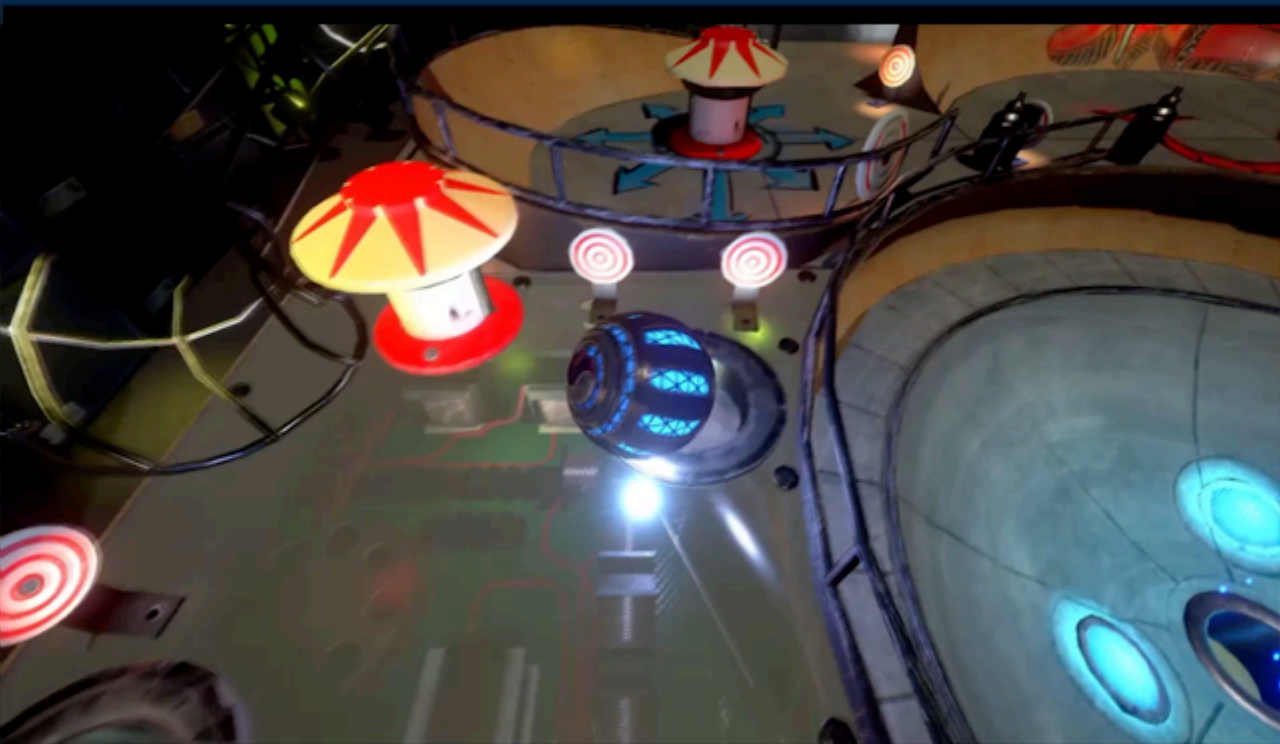
Multiple Dynamic Lights



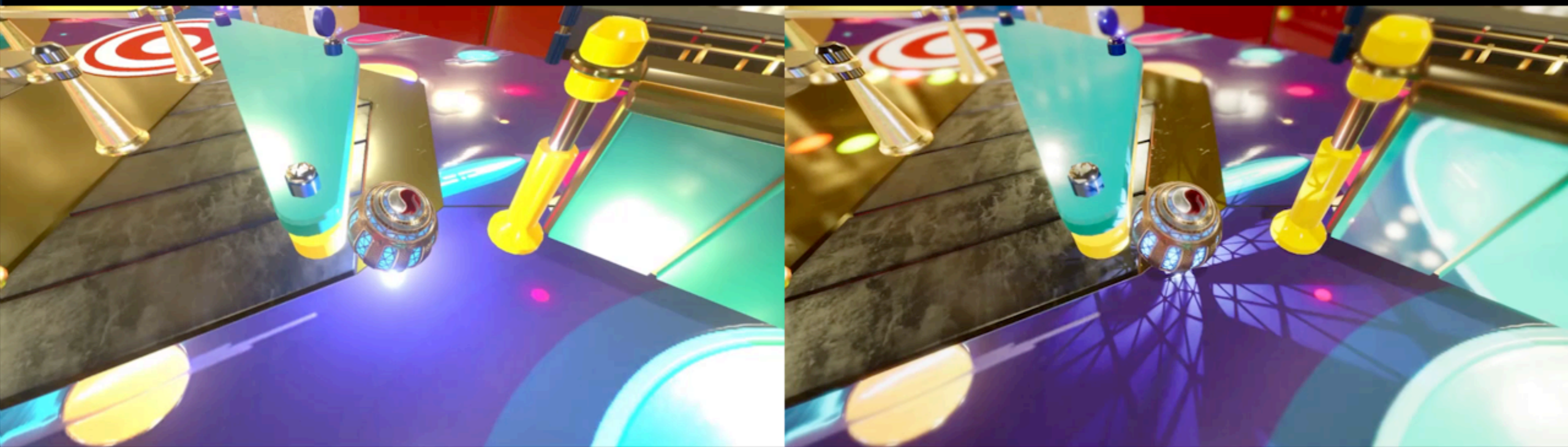
Multiple Dynamic Shadows



Desktop Motion Blur



Desktop Quality Planar Reflections





Qualcomm
snapdragon
elite gaming

Ultra smooth gaming

Game Smoother

Game Performance Engine

1st

144 Hz display support

Highest HDR quality

True 10-bit HDR

Game Color Plus

Adreno HDR Fast Blend

Desktop-level features

1st

Updateable GPU drivers

1st

Desktop Forward Rendering

Connectivity

2nd Gen Snapdragon X55 Modem-RF System
7.5 Gbps downloads
Dynamic Spectrum Sharing
Qualcomm® FastConnect™ 6800
(First certified Wi-Fi-6)

Performance

Kryo 585 – 25% uplift
Adreno 650 – 25% faster
graphics rendering

AI

5th Gen AI Engine
New Tensor Accelerator
15 TOPS
Qualcomm Sensing Hub
<1mW Camera
LPDDR5 Memory

1st



Gaming

Qualcomm® Snapdragon Elite Gaming™
Ultra Smooth Gaming:
Qualcomm® Game Smoother 2.0,
Qualcomm® Game Performance Engine,
144Hz Display
Highest HDR Quality:
True 10-bit HDR,
Qualcomm® Game Color Plus,
Adreno HDR Fast Blend
Desktop Level Features:
Updateable GPU drivers,
Desktop forward rendering

Camera

Gigapixel speed ISP –
2 Gigapixels per second
Simultaneous 4K HDR video
capture + 64 MP photo capture
200-megapixel photo capture
Dolby Vision video capture
8K video capture
Unlimited 960FPS video capture



Thank you

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