



Qualcomm  
snapdragon



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# Hawaiian word of the day

ʻoli

# Hawaiian word of the day

‘oli = joy





Games  
bring us  
joy!



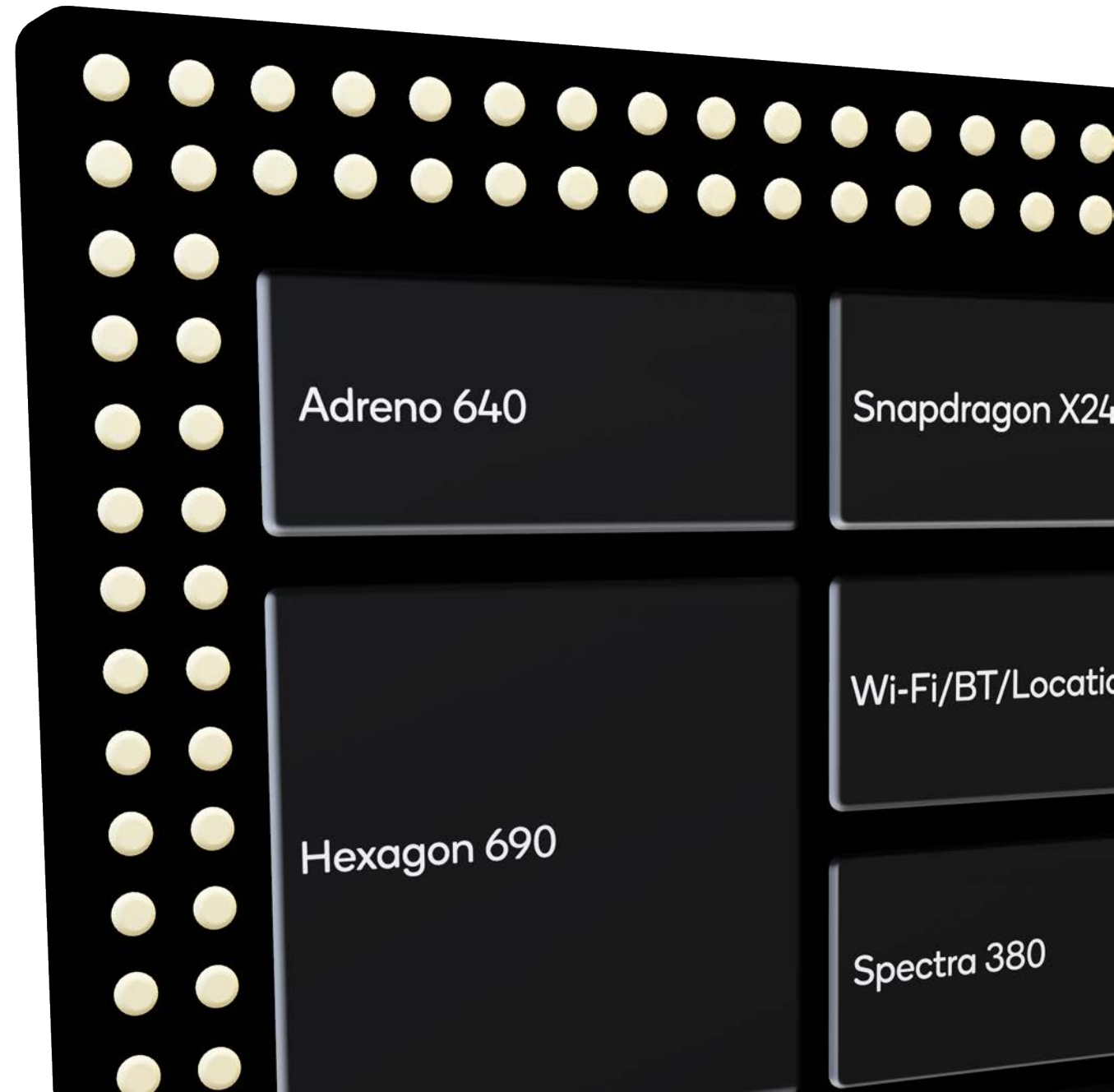




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Elite Gaming

# Elite Gaming Experiences on Snapdragon 855



# Vulkan 1.1

**First** for mobile gaming

**20%** lower power than Open GL ES

Games get closer to the GPU

Enhanced Realism







# Physically Based Rendering (PBR)

Allows the Adreno 640 GPU to cut through demanding physically based rendering workloads with ease

Up to 20% performance increase





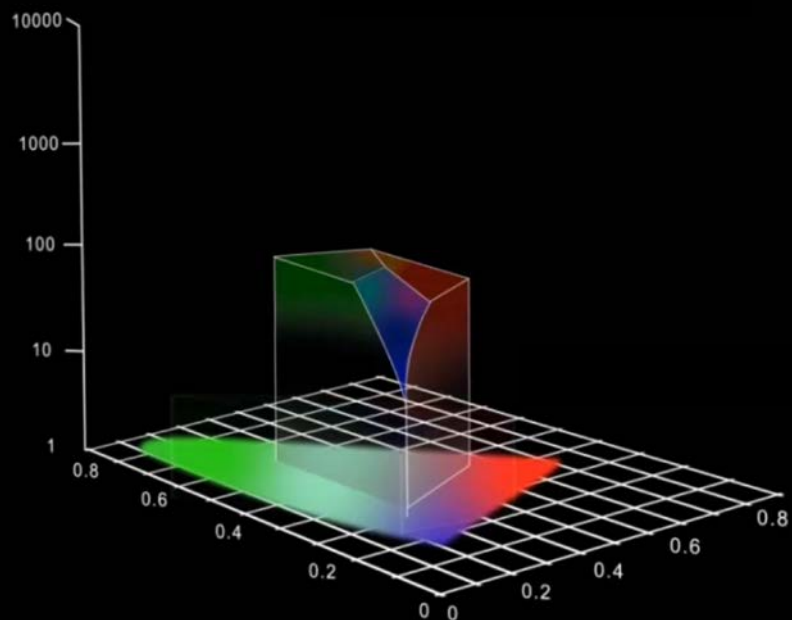
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UNREAL  
ENGINE

PBR OFF

POST PROCESSING OFF



## True HDR Rendering and Display First on Mobile

**10-bit**  
Color Depth

**Rec 2020**  
Color Gamut

**64x** More  
Shades of Color

Over **1 Billion**  
Shades of Color

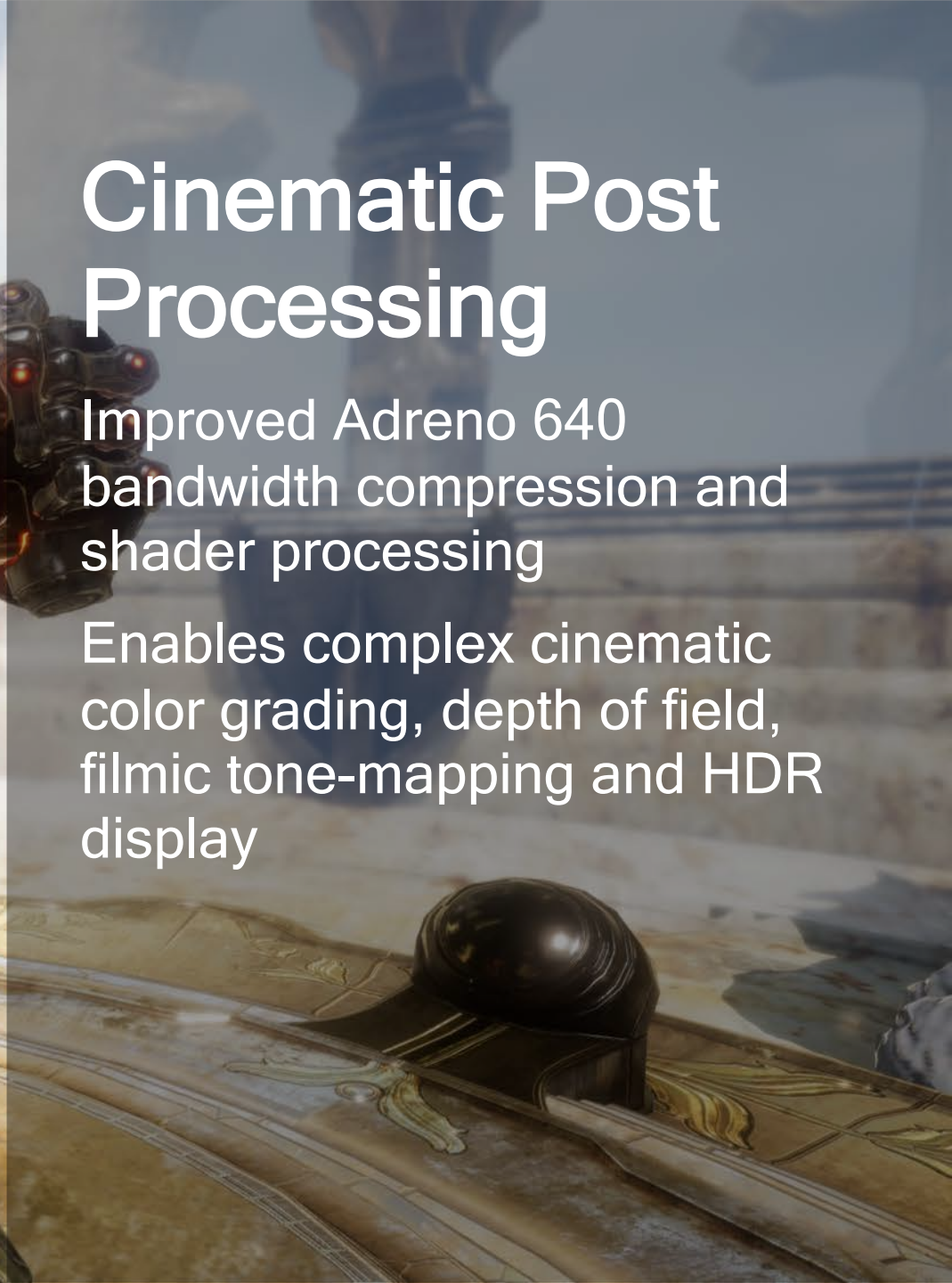




# Cinematic Post Processing

Improved Adreno 640  
bandwidth compression and  
shader processing

Enables complex cinematic  
color grading, depth of field,  
filmic tone-mapping and HDR  
display





# Snapdragon Elite Gaming

Game Jank Reducer

Game Anti-Cheat Extensions

Game Fast Loader

Game Network Latency Manager

Game Q-sync



855

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Qualcomm® aptX™ Adaptive

Qualcomm Aqstic™

4K TV Out

XR Gaming Optimizations

Online Gaming (60GHz, 5G)

Vulkan 1.1  
Graphics Driver

Physically Based  
Rendering

True HDR  
Rendering & Display

Cinematic Post  
Processing