

May 2021

Qualcomm

# More people deserve Snapdragon experiences

Qualcomm Technologies, Inc.

Embargo lifts May 19, 2021 at 8am PST





**5 Billion**  
videos are watched every day

**500 hours**  
of videos uploaded every minute

Just on  **YouTube**

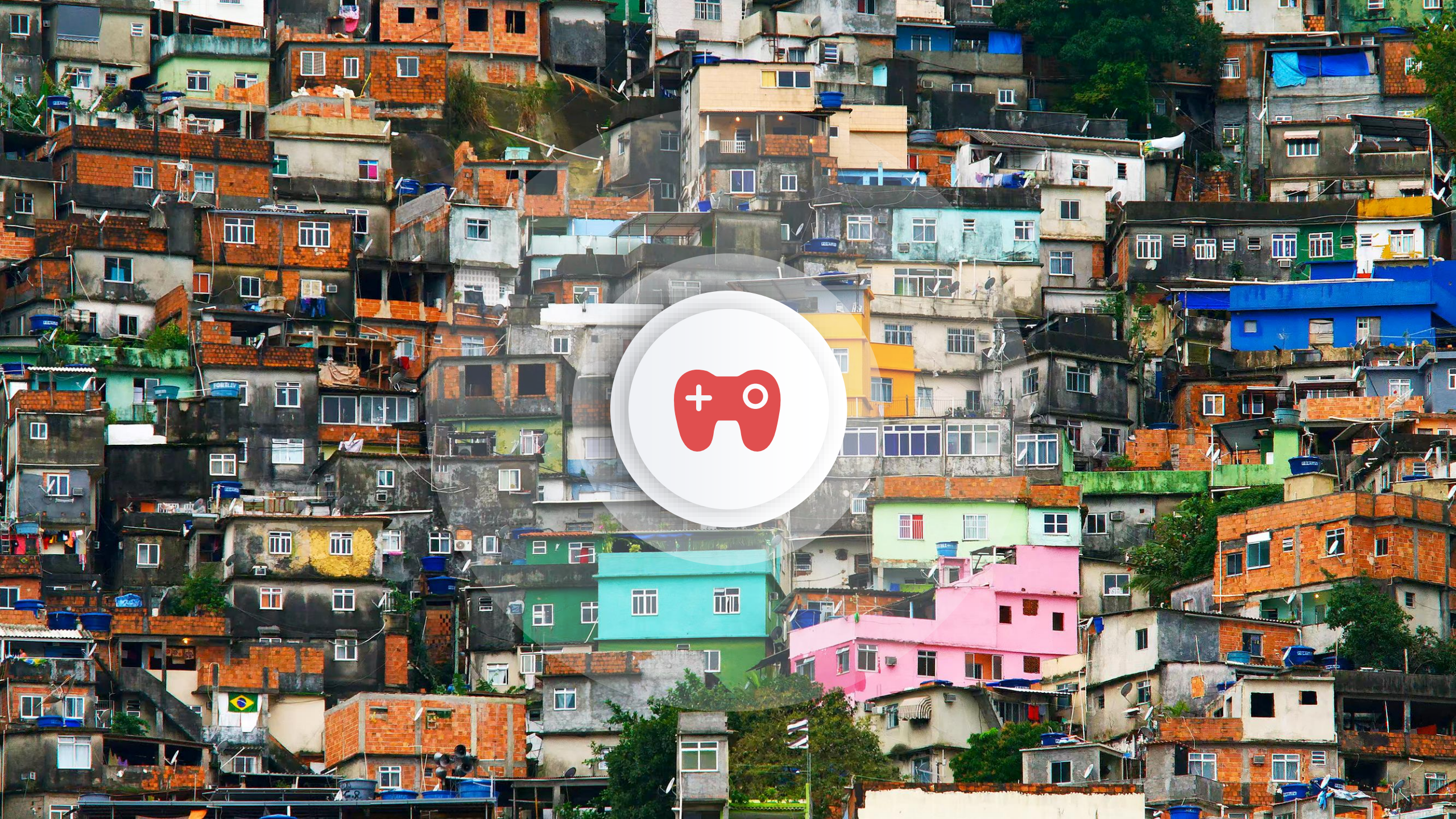




**More people deserve**  
a device that lets them chase their dreams.











Raphael Tsavkko Garcia





5G

Wi-Fi

AI

Camera

Location

Audio



All-day  
battery  
life

Video

Bluetooth

Gaming

Security

Global  
coverage

multi-SIM

Fastest  
connectivity  
speeds

Best AP  
features



Qualcomm  
snapdragon



Truly global 5G



8

Series



7

Series



6

Series



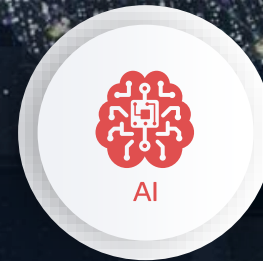
4

Series





# Snapdragon 778G

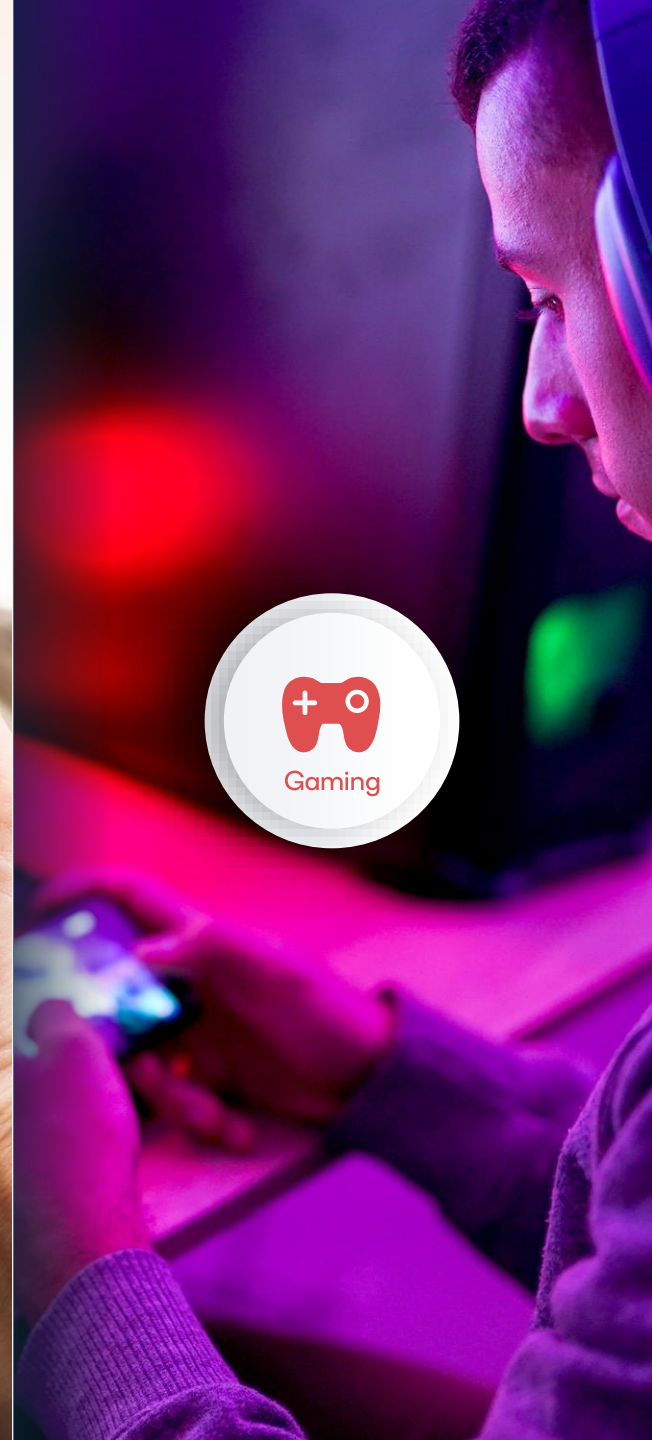


The ultimate multimedia triple threat





# The Ultimate Multimedia Triple Threat







5G

Qualcomm  
snapdragon

# The Ultimate Multimedia Triple Threat





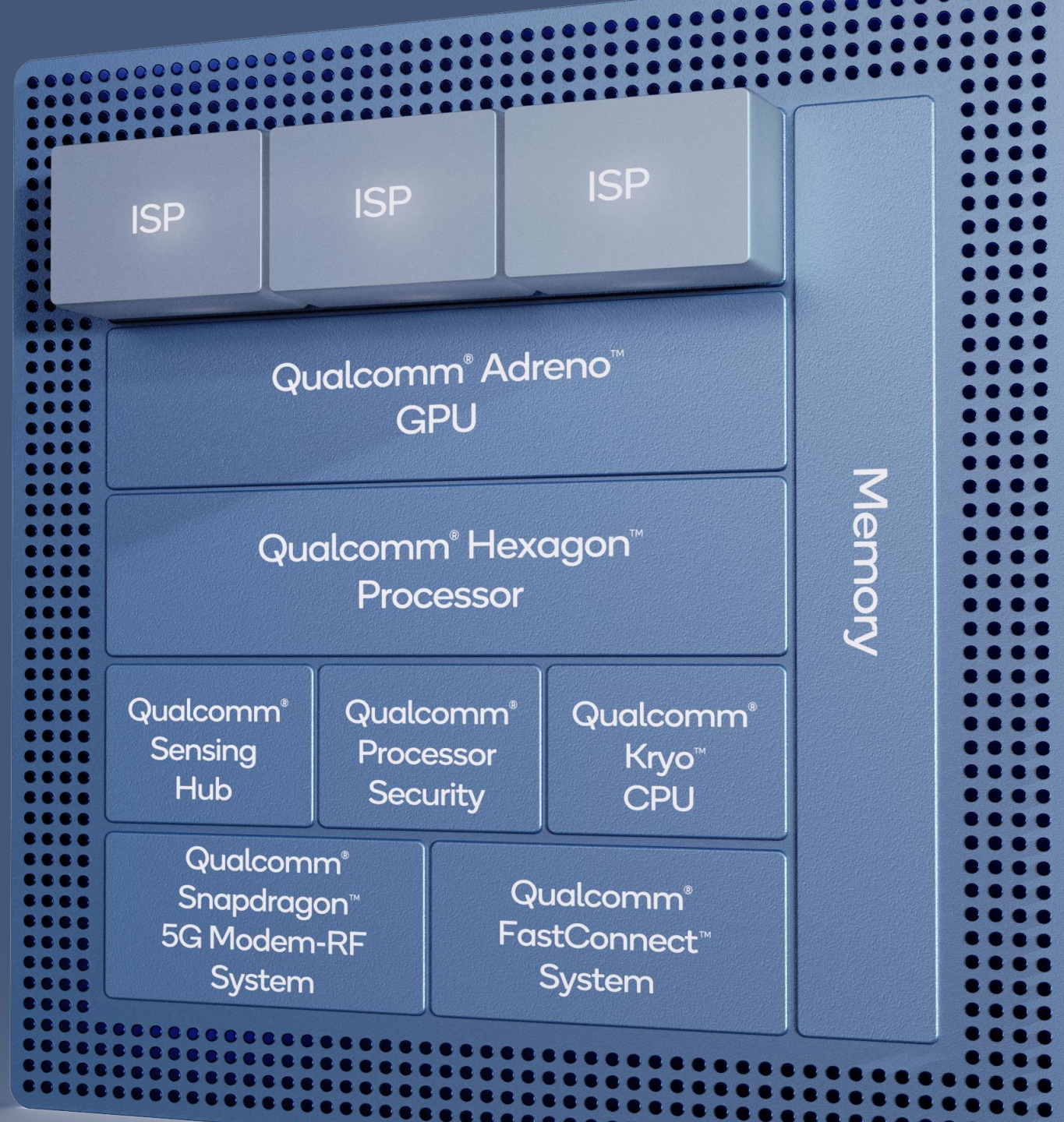
# Qualcomm Spectra™ 570L ISP

2 gigapixels per  
second

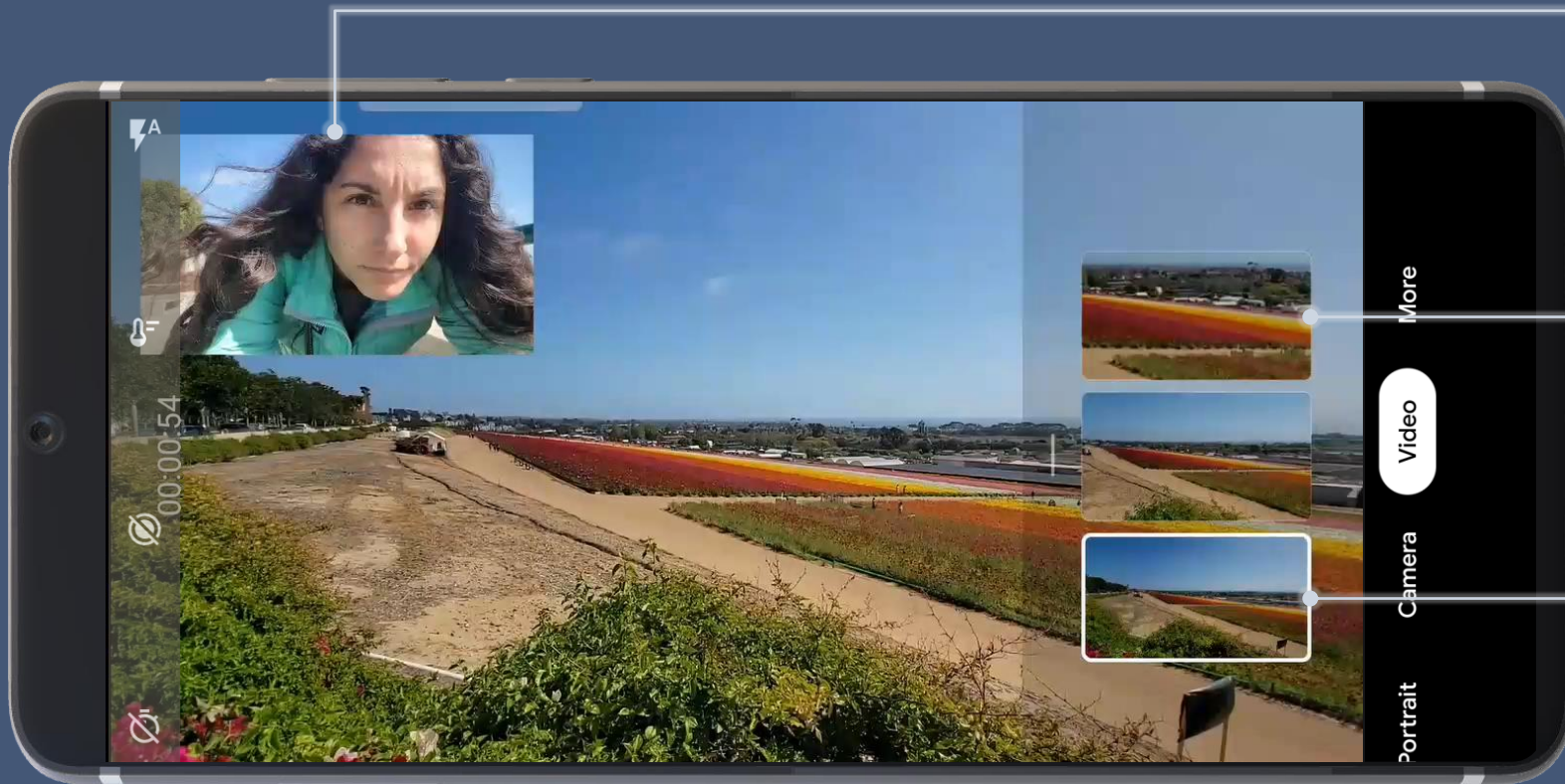
Triple  
concurrency

Triple parallel  
processing

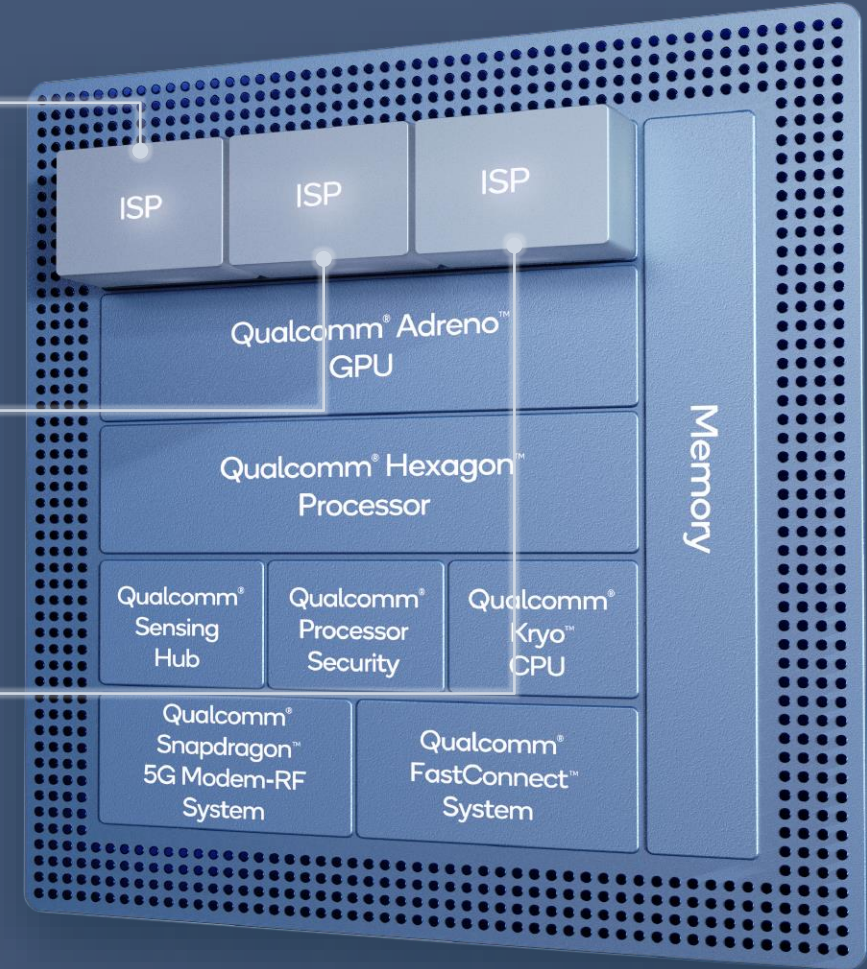
Qualcomm Spectra, Qualcomm Adreno, Qualcomm Hexagon, Qualcomm Sensing Hub, Qualcomm Processor Security, Qualcomm Kryo, Qualcomm FastConnect are products of Qualcomm Technologies, Inc. and/or its subsidiaries.







#ShotOnSnapdragon



# Multiple camera views

one click Director's Cut



# Computational HDR video capture



Combining the best in color, contrast and brightness



#ShotOnSnapdragon

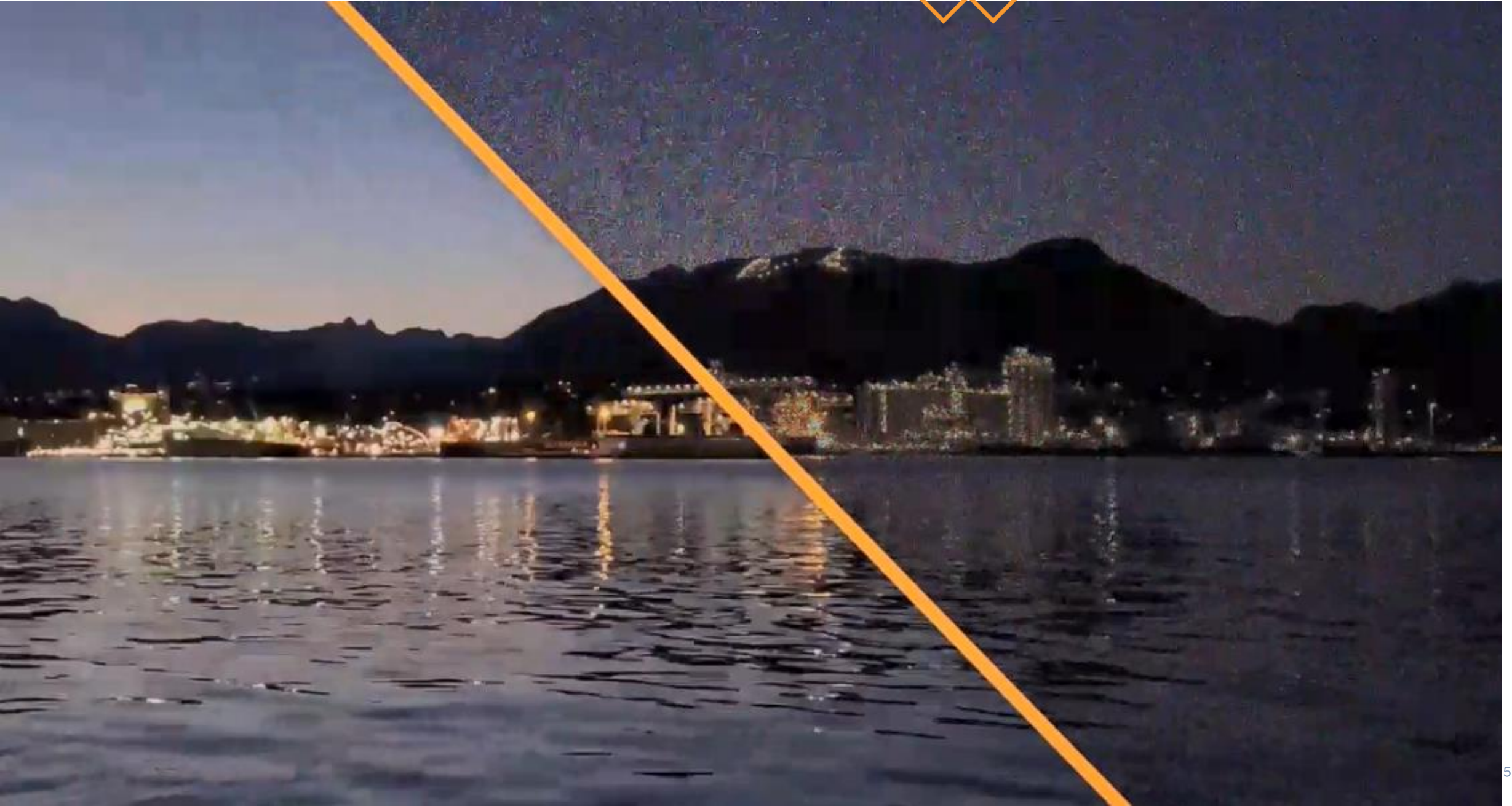


Computational HDR Off





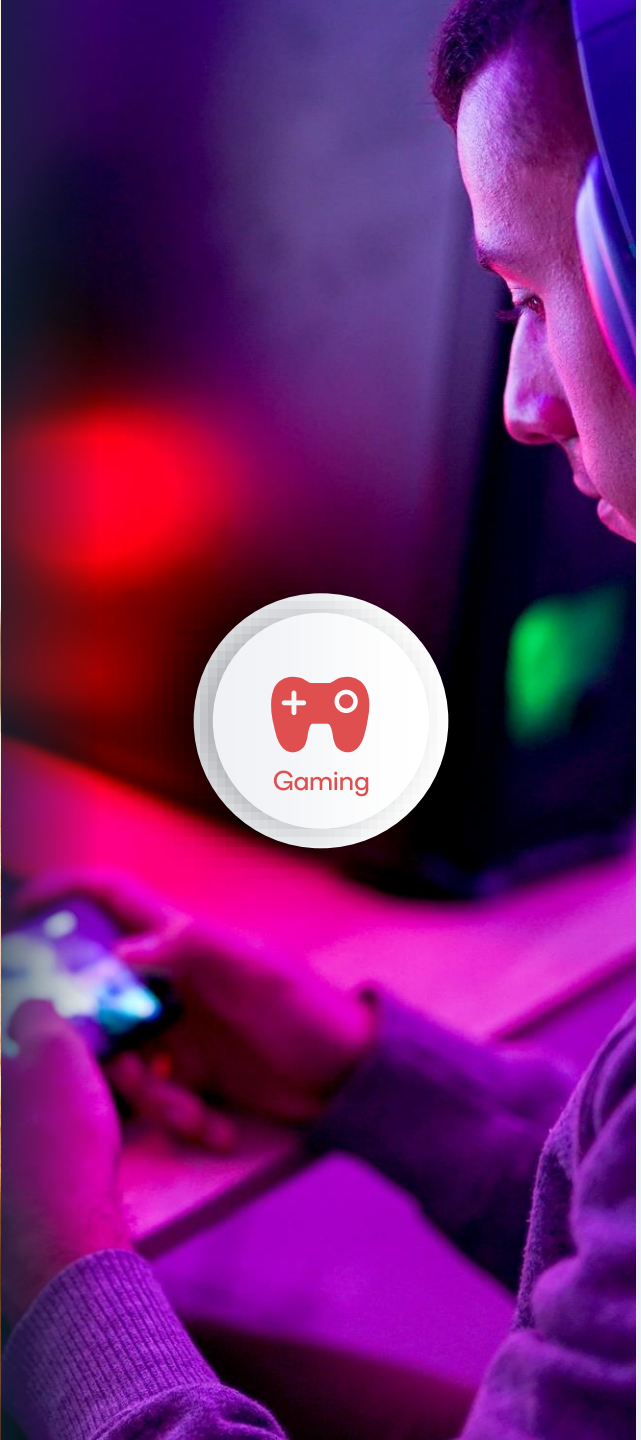
NEXOPTIC







# The Ultimate Multimedia Triple Threat







# The Ultimate Multimedia Triple Threat



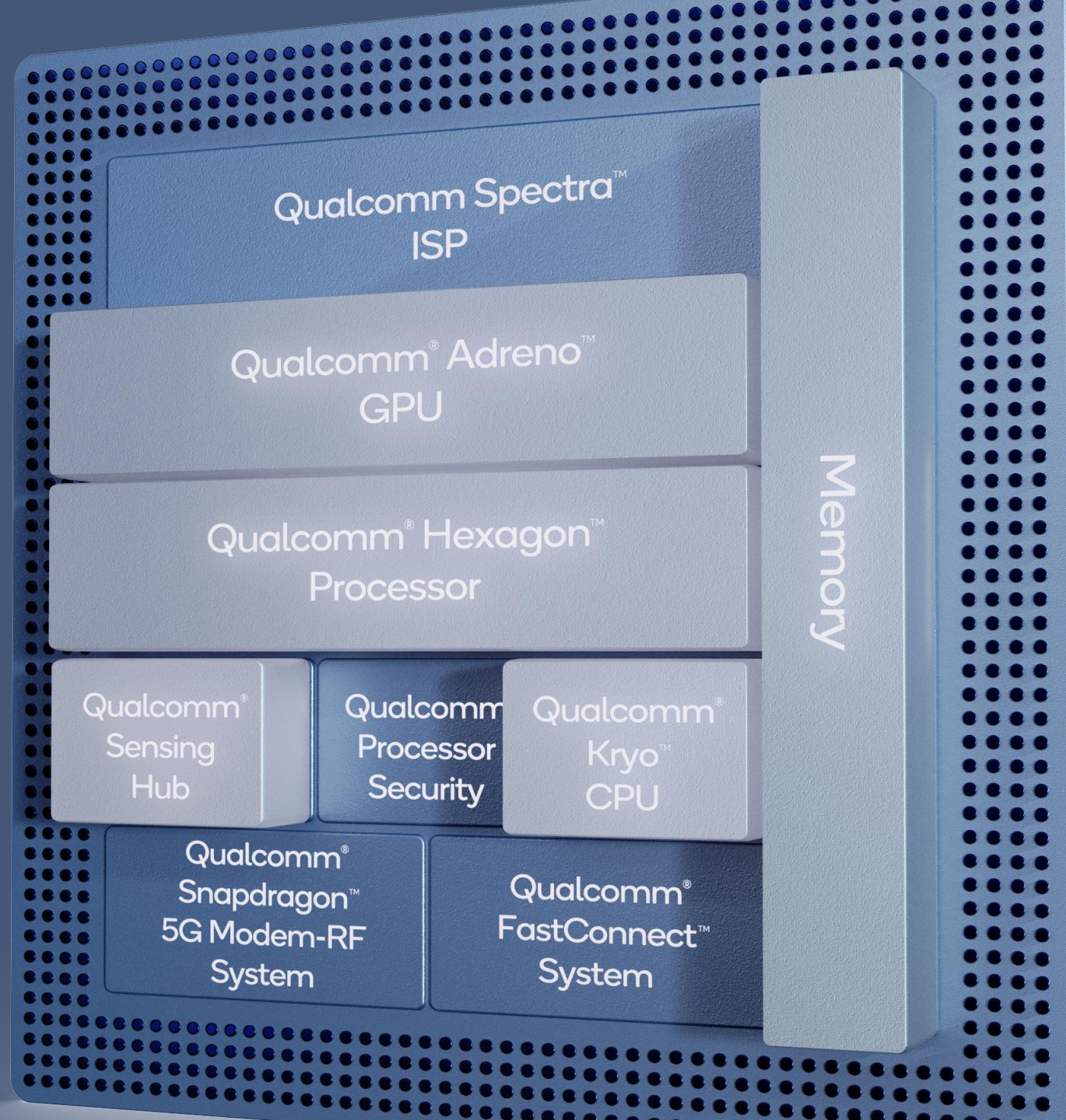


# 6<sup>th</sup> Gen AI Engine

12 TOPS

Fused AI  
accelerator  
architecture

2<sup>nd</sup> gen  
Sensing Hub  
with dedicated  
AI processor

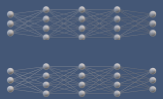




# One video call,

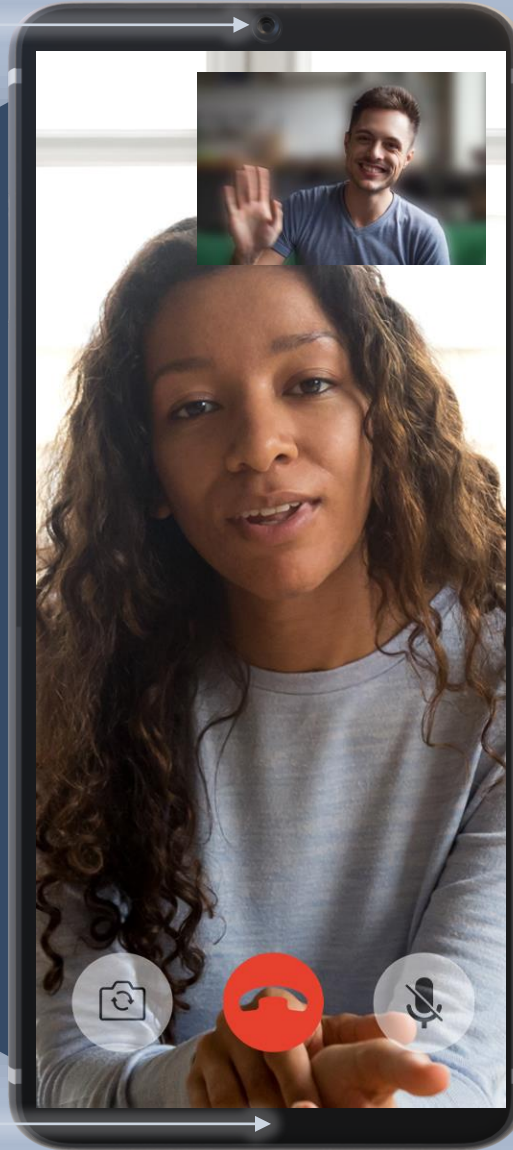
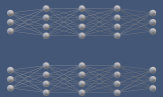
## Triple ISP with AI


- Incredible image quality with smart 3A
- Single front camera bokeh let's you shine & callers aren't distracted by what's in background



## Breakthrough audio experience with AI

- Intuitive volume adjustment based on your contextual environment
- AI noise suppression quiets the noisiest of environments so callers hear your truest voice



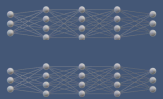
lots of  
accelerated  
AI 



# One video call,

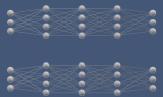
## Triple ISP with AI


- Best image quality with smart 3A
- Single front camera bokeh let's you shine & callers aren't distracted by what's in background



## Best audio experience with AI

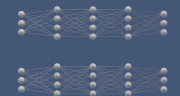
- Intuitive volume adjustment based on your contextual environment
- AI noise suppression quiets the noisiest of environments so callers hear your truest voice



lots of  
accelerated  
AI 

## Back camera

- Professional quality, stable videos every time with Vidhance AI-based EIS
- Arcsoft autozoom keeps your subject in main frame like a real director







EIS off



Vidhance AI-based EIS on



# Arcsoft Smooth Zoom



telephoto

◀ wide

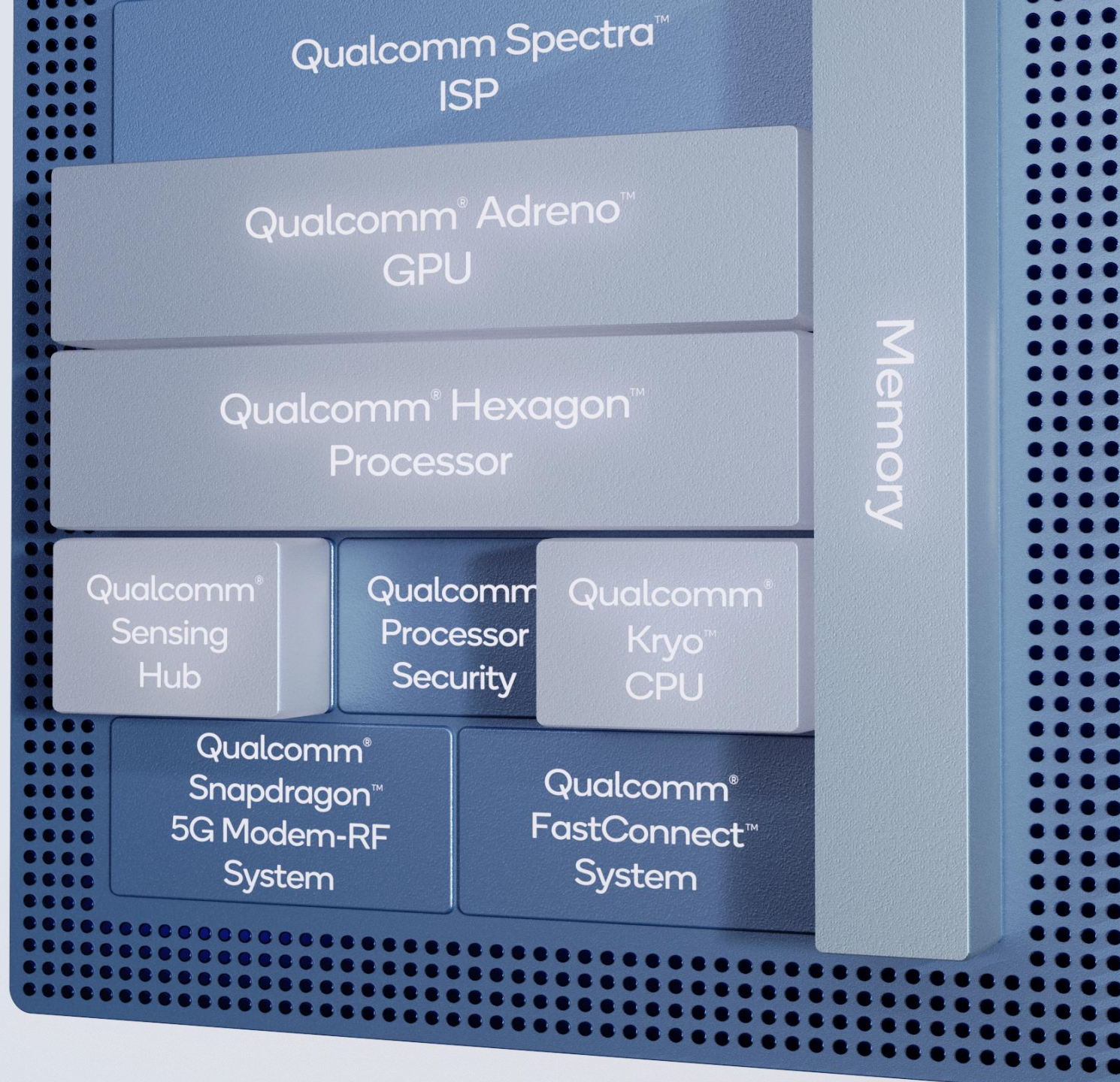
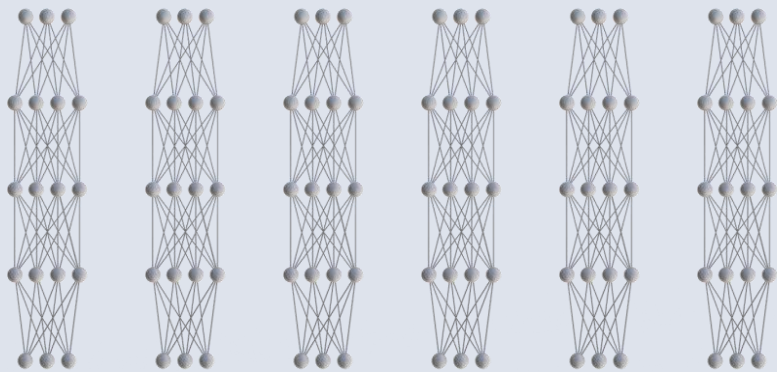
ultra-wide





# Qualcomm AI Engine

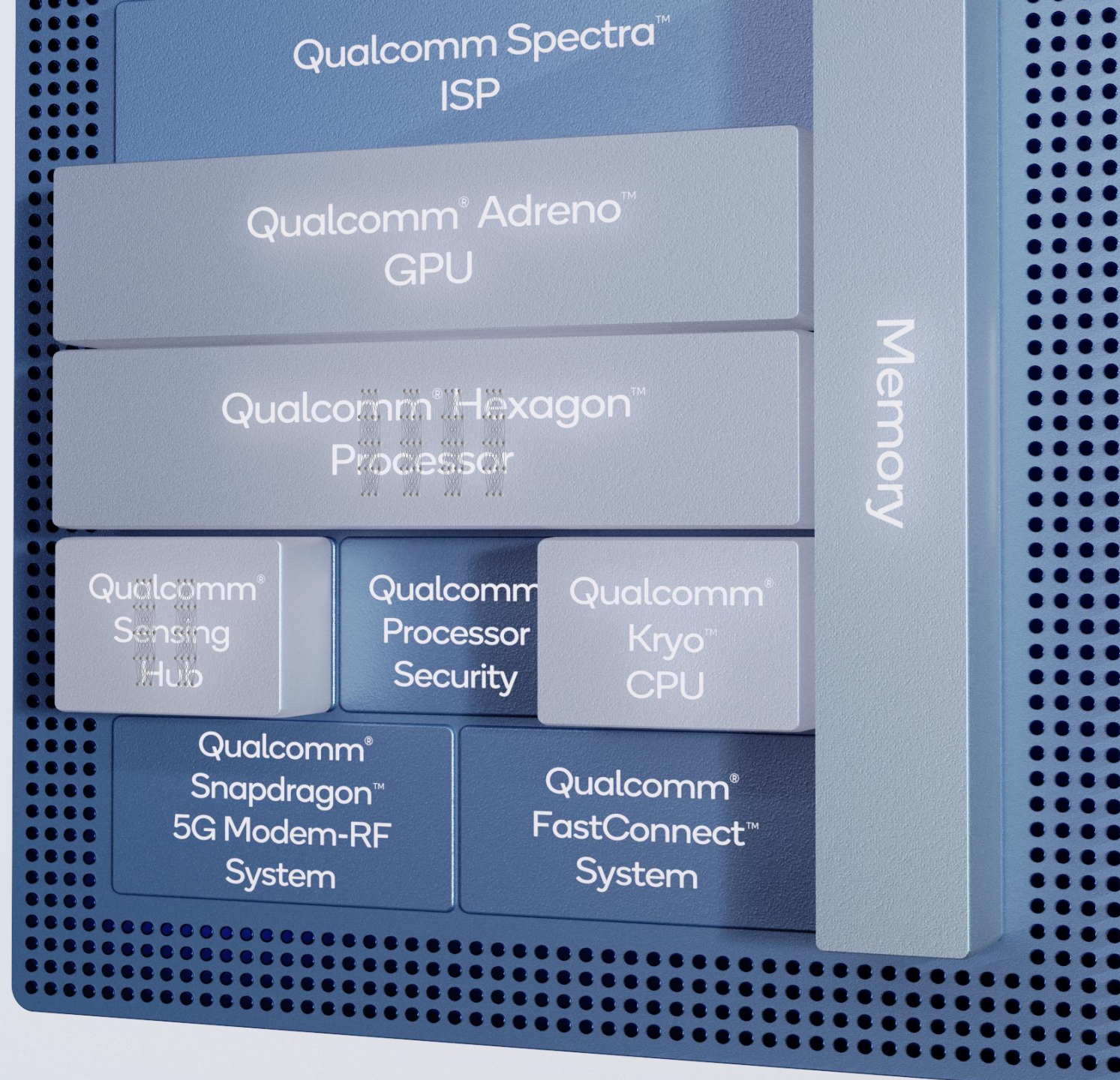
Can run multiple neural networks at the same time without breaking a sweat





# Qualcomm AI Engine

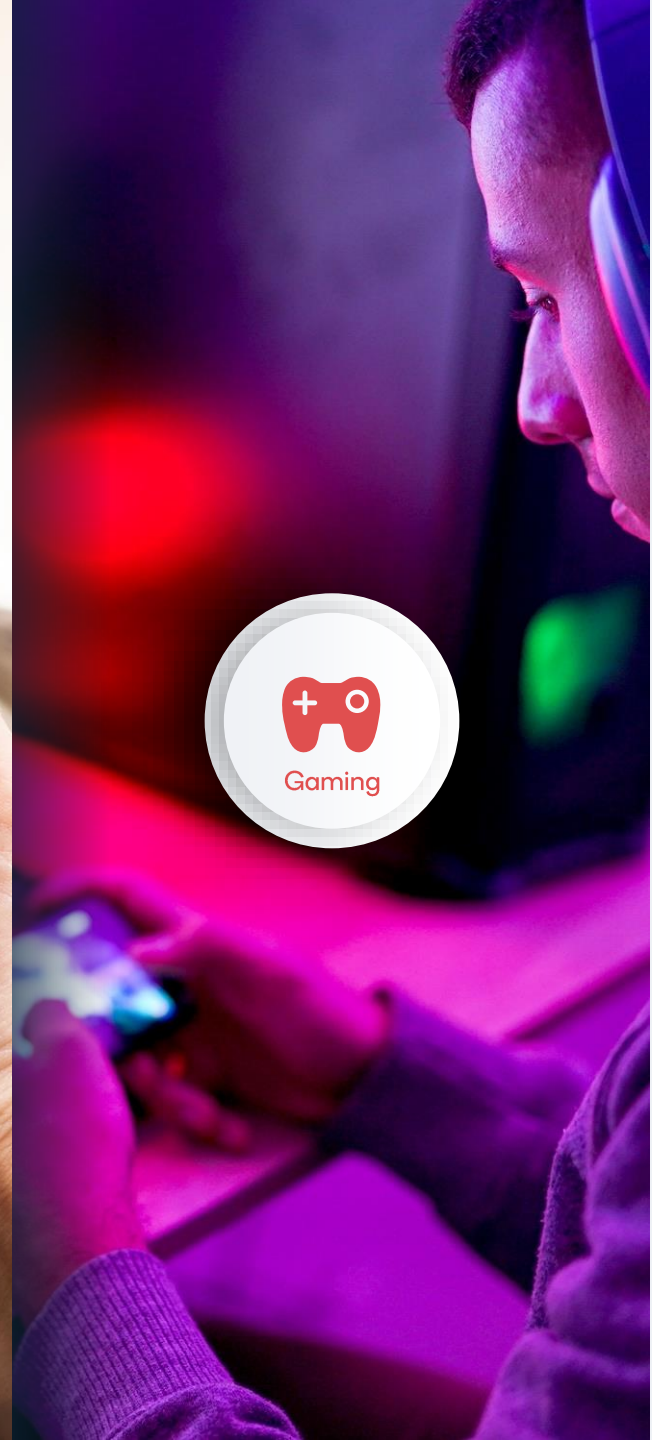
Can run multiple neural  
networks at the same time  
without breaking a sweat







# The Ultimate Multimedia Triple Threat







# The Ultimate Multimedia Triple Threat







# 40%

Faster graphics rendering\*

# 40%

Leap in CPU performance

\*All comparisons made to previous generation





@HipHopGamer



A portrait of a man with short brown hair, wearing black-rimmed glasses and a black t-shirt. He is looking directly at the camera with a neutral expression. The background is a light blue wall with a vertical white line on the right side.

**Steve Collins**

CTO King



# Qualcomm® Game Quick Touch



Qualcomm Game Quick Touch is a product of Qualcomm Technologies, Inc. and/or its subsidiaries.



Qualcomm



Qualcomm





# Variable Rate Shading





Up to  
**30%**  
increase in  
performance

Comparisons to previous generations



## Camera

### Triple ISP:

2 Gigapixels  
Per Second

Triple  
Concurrency

Triple Parallel  
Processing

### Triple Capture:

Triple HD video capture

Triple 22MP  
Photo Capture

## AI

6th Gen Qualcomm  
AI Engine

**Hexagon 770**  
Fused AI  
Accelerators

### Video Capture:

HDR10+ Video Capture

Computational HDR  
video capture

2x Performance  
per watt

12 TOPS

2nd Generation  
Qualcomm  
Sensing Hub

## Gaming

**Ultra smooth gaming:**  
Qualcomm Game Quick Touch

**Desktop level features:**  
Variable rate shading

# Snapdragon 778G



Camera



AI



Gaming

## Connectivity

3rd Gen Snapdragon  
**X53 Modem-RF System**

3rd Gen mmWave

5G Carrier Aggregation\*

**FastConnect 6700**

6GHz, 4K QAM, Bluetooth 5.2

**Qualcomm® Snapdragon Sound™  
Technology**

## Performance

**Kryo 670**  
40% overall uplift

**6nm**  
Process  
Technology

**Adreno GPU 642L**  
40% faster  
graphics  
rendering

## Security

Hypervisor



# Devices coming 2<sup>nd</sup> quarter of 2021

HONOR

iQOO



oppo





realme







# Thank you

Follow us on:    

For more information, visit us at:

[www.qualcomm.com](http://www.qualcomm.com) & [www.qualcomm.com/blog](http://www.qualcomm.com/blog)

Nothing in these materials is an offer to sell any of the components or devices referenced herein.

©2018-2021 Qualcomm Technologies, Inc. and/or its affiliated companies. All Rights Reserved.

Qualcomm, Snapdragon, Hexagon, Adreno, Kryo, Qualcomm Spectra and Snapdragon Elite Gaming are trademarks or registered trademarks of Qualcomm Incorporated. Other products and brand names may be trademarks or registered trademarks of their respective owners.

Qualcomm™ may mean Qualcomm Incorporated, Qualcomm Technologies, Inc., and/or other subsidiaries or business units within the Qualcomm corporate structure, as applicable. Qualcomm Incorporated includes our licensing business, QTL, and the vast majority of our patent portfolio. Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of our engineering, research and development functions, and substantially all of our products and services businesses, including our QCT semiconductor business.