

ADRENO VIDEO AND DISPLAY



Visual display processing for next-generation visual quality and advanced display technology—all with extended battery life.

PROCESSING

IMAGING

CONNECTIVITY

GRAPHICS

SECURITY

FAST CHARGING

DISPLAY

VIDEO

AUDIO



VISUALLY OPTIMIZED

Snapdragon 820 delivers the most immersive mobile visual display processing.

- Seamlessly integrated Adreno™ Video Processing Unit (VPU) and Adreno™ Display Processing Unit (DPU) delivers visually enhanced video and graphics.
- Adreno™ VPU/DPU work together to deliver smooth, high-definition HEVC video playback and display up to 4K UHD at 60fps.
- Enjoy movies or user generated videos up to 4K resolution, streamed wireless to 4K UHD displays.

POWER SAVINGS

Tools and features help reduce power consumption and increase battery life.

- Qualcomm® EcoPix™ feature can reduce LCD or AMOLED power consumption by up to 30%.
- Examples of EcoPix™ include content adaptable backlight control, Fidelity Optimized Signal Scaling, frame buffer compression, variable refresh rate support.

VISUAL AND COLOR QUALITY

Displays look great even under the most challenging lighting conditions.

- Qualcomm TruPalette™, REC.2020 color gamut support for improved picture quality and superb color accuracy.
- Enables professional color calibration, color gamut management and color enhancement with adaptable video detail enhancement.
- Efficient tone mapping hardware and software that can adjust the dynamic range to allow for better viewing in bright sunlight.



THE QUALCOMM® SNAPDRAGON™ 820 PROCESSOR IMMERSIVE AND INTELLIGENT.

Introducing the all-new Snapdragon 820 mobile processor. Immersive and intelligent, all day performance and completely connected. Together, the Qualcomm Adreno™ Video and Display processors and Adreno 530 GPU deliver graphics, visual and display enhancements that improve overall visual fidelity while reducing power consumption. Purpose-built to redefine efficiency, innovation and the user experience, the Snapdragon 820 offers a whole new level of mobile user experience immersion.