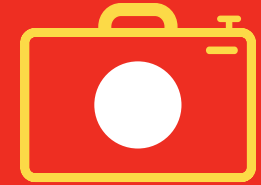


QUALCOMM SPECTRA ISP

Our most advanced camera to date, designed to improve image quality and enable advanced imaging experiences.



PROCESSING

IMAGING

CONNECTIVITY

GRAPHICS

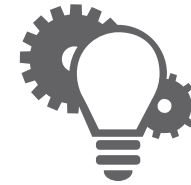
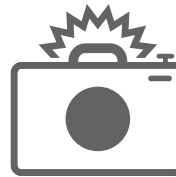
SECURITY

FAST CHARGING

DISPLAY

VIDEO

AUDIO



SUPERIOR PHOTOGRAPHY

Qualcomm Spectra™ ISP is at the leading edge of mobile image quality.

- New 14-bit dual-ISP, supports up to 25MP@30fps with zero shutter lag, greater precision for improved image quality and more natural skin tones.
- Designed to support DSLR-quality photography through superior noise reduction, low light algorithms, and computational camera innovations.
- Flexible hybrid Phase Detection Auto Focus (PDAF), laser and contrast AF framework for fast and reliable auto focus.

IMPROVED CAMCORDER

Options and features for innovation.

- 25% better power efficiency for longer battery life when recording HD and 4K videos.
- Snapdragon LLV (low light video) for adaptively brightening areas of video/images that would otherwise appear too dark.
- Touch to Track feature that locks onto desired objects and then adaptively zooms and tracks them during video recording.

NEW EXPERIENCES

Next-generation imaging experiences.

- Support for up to 3 simultaneous cameras (one user-facing, and two rear-facing).
- Depth extraction and 3D Reconstruction and via structured light, dual camera sensor support, time of flight.
- Raw Bayer pre-processing and HDR image post processing using Qualcomm® Hexagon™ 680 DSP with Hexagon Vector eXtensions (HVX).
- Improved ISP processing allows for slimmer Z-Height optics required by thinner smartphones.



THE QUALCOMM® SNAPDRAGON™ 820 PROCESSOR IMMERSIVE AND INTELLIGENT.

Introducing the new all-in-one Snapdragon 820—the most powerful mobile processor Qualcomm Technologies has ever created. And with Qualcomm Spectra ISP, you get our most advanced photography with support for DSLR-quality images. Purpose-built to redefine efficiency, innovation and the user experience, the Snapdragon 820 offers a whole new level of mobile intelligence.