Razzor Technologies

Make Any HD Content into HDR Quality

Summary

Razzor's Patented Algorithms bring natural-eye image viewing on all content and restores image details lost due to limitations in both the camera lens and encoding. Razzor's Algorithms enables power-savings on mobile devices and improves panel quality while reducing display panel cost.

The combined Razzor Algorithms include:

Dynamic Contrast: Region based algorithm with Programmable level of

Contrast & Limit on saturated pixels

Dynamic Brightness: Coupled with the local Dynamic Contrast provides more

than 2x improvement in Brightness

Adaptive Sharpening: Pixel based, Directional algorithm Sharpens & Smooths

Increases Depth and Details

Consumer And OEM Benefits

The numerous benefits for the end consumer with Razor Algorithms include: *Daylight Viewing, Longer Battery Life, Increased Dynamic Range in Streaming Movies bringing HDR Quality, Improved Drone content with Hidden Details shown in shadows, improved vision for Auto-Back-up Camera Application, and more life-like, Immersive VR Content.*



Before Razzor Algorithms



After Razzor Algorithms

Razzor Technologies

The benefits to manufacturers and OEM include increased battery life and potentially lowered panel costs. Razzor can customize it's Algorithm output based on panel specs for best quality.

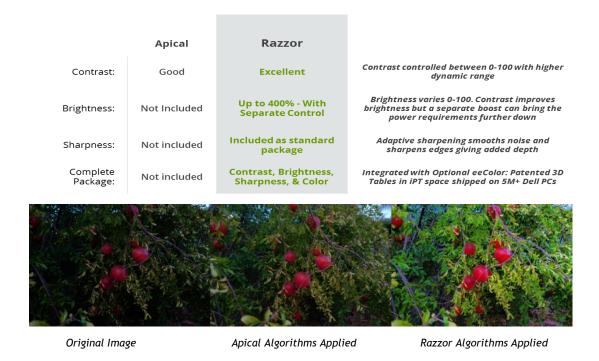


Before Razzor Algorithms

After Razzor Algorithms

Competition

Razzor's only major competitor, Apical, was acquired by ARM Holdings last year. All Razzor customers have attested Razzor's algorithms are superior in quality and features to Apical.



Availability

Razzor's Algorithms are available as software drivers in both Intel & Android platforms. Razzor Hardware IP is available as a small footprint RTL hardware block for embedded IC applications.