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Vision spectra

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HDR Imaging for Automotive Sensing Applications Featuring the Triton™ HDR Camera with AltaView™ Tone Mapping

This white paper compares current sensing technologies for automotive applications. It outlines the challenges faced by LiDAR, Radar, Sonar, and traditional HDR cameras, and addresses the benefits of LUCID's Triton HDR camera featuring AltaView™ on-camera tone mapping and Sony's IMX490 HDR sensor. AltaView's adaptive tone mapping conquers key challenges in mobile sensing by delivering low-latency 8-bit images with exceptional detail in both shadows and highlights. Moreover, it reduces development time by eliminating the need to create a tone mapping algorithm on the host PC.

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