High dynamic range video offers a broader range of color and luminance provided your device has an HDR-capable screen. iDownloadBlog invites you to peruse this handy tutorial with step-by-step instructions on watching YouTube HDR content on your Apple devices. High dynamic range video (HDR) offers many benefits, like a much broader range of color and luminance compared to standard dynamic range video (SDR). HDR vs. SDR. HDR content typically has a bit depth of at least 10-bits per each red, green and blue sub-pixel, resulting in 30-bit color which is enough to encode up to a billion colors. SDR content is usually 8 bits per sample (24-bit color) and that's good for about 16.7 million colors. Technically speaking, HDR video standards encompass more than just higher peak brightness and lower black levels. HDR also supports a wider color palette, new transfer functions, greater bit depth, and static and/or dynamic metadata. The good news is that HDR video is here to stay. The bad news is that a lack of industry consensus around HDR video formats will be around for a while too. Standard Dynamic Range displays are typically 100 nits, whereas the SMPTE ST-2084 standard specifies luminance up to 10,000 nits. What is the Industry Outlook for Bringing HDR Video to Market? Bringing HDR video into the mainstream will require buy in from stakeholders at every step of the media supply chain, from content creation to playback.