

## CEA Defines HDR-Compatible Displays

Written by Marco Attard  
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The Consumer Electronics Association (CEA) announces the industry definition for high dynamic range (HDR)-compatible displays, a means for HD and 4K/UHD displays to push brighter, more colourful pixels.



Such a definition should make it easier for retailers and customers to determine whether a display carries the interface and processing technology required to produce HDR content. Many 4K/UHD sets already support early HDR implementations through wider colour gamuts and higher frame rates.

According to the Association, an HDR-compatible TV, monitor or projector should have the following minimum attributes:

- Includes at least one interface with HDR signaling support (as defined in CEA-861-F, extended by CEA-861.3).
- Receives and processes static CEA-861.3-compliant HDR metadata for uncompressed video.
- Receives and processes HDR10 Media Profile from IP, HDMI or other video delivery sources.
- Applies an appropriate Electro-Optical Transfer Function (EOTF) before rendering images.

The HDR interoperability guidelines build on earlier CEA work on 4K/UHD technology. The association will also help retailers through promotional efforts covering the new technology.

“HDR provides a significant step-up in delivering an incredible viewing experience for the consumer,” the CEA says. “We encourage manufacturers and our industry partners to use this

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voluntary compatibility guideline to provide greater consistency and clarity while ensuring compatibility and interoperability across the full content development to display ecosystem.”

Go [CEA Defines "HDR Compatible" Displays](#)