



MODEL A223812

Key Features

- Module options for signal generator 2238
- HDMI 2.1 compliant
- 7680x4320 @ 60Hz output
- Color depth 8/10 bits
- HEVC H.265 format
- YCbCr 4:2:0
- Supports dual-channel video/audio output:
 - 48 KHz video/audio channel bandwidth
 - AAC Advanced Audio Coding format
- Built-in 8K high-resolution video
- Compatible with A223805 HDMI 2.1 Signal Module
- Supports external USB storage for 8K video playback

HDMI 8K MEDIA PLAYER MODEL A223812

With continuous breakthroughs in technology, from the previous 2K to 4K, and now to 8K and even higher resolution, ever-real images are presented to our eyes. This equally furthers the resolution of broadcasting and network content, along with the entire market, as well as the role of Chroma A223812 8K Media Player in ensuring the quality of the displays. Chroma A223812 mainly applies to equipment for public and advertising display up to 8K, of which the image quality has improved to beyond the level of detail that the human eyes can recognize. Nevertheless, Chroma A223812 also is applicable to advertising design, medical diagnosis, monitoring and tracking systems, conferences, shows, and so on.

HDMI 2.1 & FRL Image Transmission Modes

Chroma A223812 offers HDMI 2.1 (the latest version from the HDMI Licensing Administrator, Inc.) with signal output that supports Fixed Rate Link (FRL) transmission. FRL transmission improves the limitations of the TMDS mode used in the 1.4 and 2.0 versions, enabling much more efficient image transmission. With the increase in hardware bandwidth, HDMI 2.1 only needs a single port to output 8K signals, making the 8K video interfaces popular among consumers.

High Efficiency Video Coding

High Efficiency Video Coding (HEVC, H.265) is a video compression coding standard, which also greatly improves the coding efficiency of video compression and reduces video transmission traffic and storage space. Chroma A223812 Media Player supports decoding and playback of HEVC compression formats, providing users with high-resolution image testing.

Built-in 8K High-resolution Video

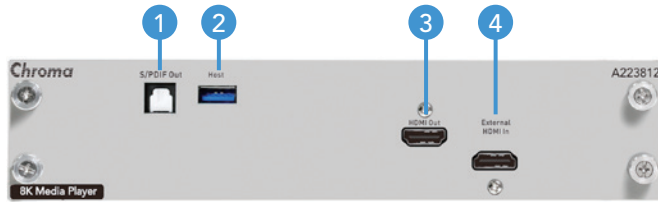
The built-in 8K high-resolution video provides users with high-resolution display image quality testing and assessment. Through each area's readability and delicate presence of realistic color, Chroma A223812 verifies and ensures the capability of differentiations in dark regions, characters, appearance, skin color, eyelashes, et cetera.

HDMI 2.1 8K Dynamic/Static Test Solution

Chroma A223812 Media Player can be combined with Chroma A223805 HDMI 2.1 Signal Module to form an 8K dynamic/static mode test signal solution. Through signal integration, it supports both dynamic video and static standard image testing. Moreover, the program editing function can adjust the corresponding test outputs according to the test requirements, providing a complete 8K display test solution.



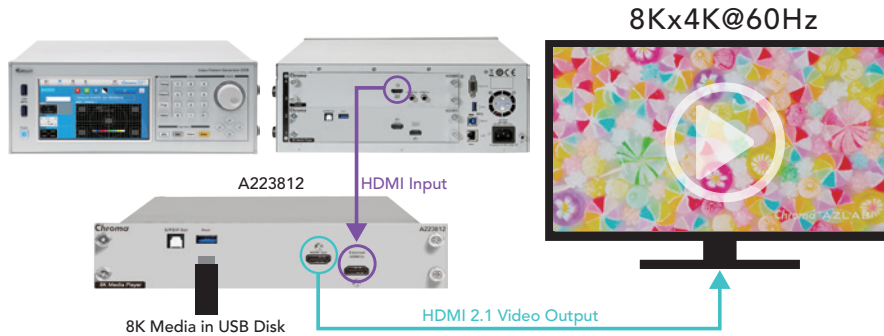
PANEL DESCRIPTION



HDMI 8K Media Player

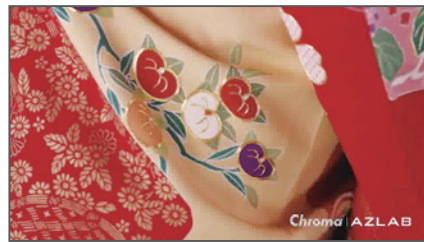
1. S/PDIF Out
2. Host (USB 3.0)
3. HDMI Out
4. External HDMI In

APPLICATIONS



1. A223812 is compatible with A223805 HDMI 2.1 Signal Module.
2. Test programs are editable to compose static and dynamic video tests.
3. Please contact Chroma if specific video formats need to be supported from external USB.

BUILT-IN 8K HIGH-RESOLUTION VIDEO



1. High-resolution display image quality testing and assessment
2. Readability and delicate presence of realistic color in each display area
3. Differentiations judges in dark regions, characters, appearance, skin color, eyelashes, et cetera



SPECIFICATIONS

HDMI 8K Media Player A223812	
Video	
Signal Compliant	HDMI v2.1 specification
Resolution	Max. 8Kx4K@60Hz
Codec Format	HEVC (H.265)
FRL Bit Rate	10G mode
Sampling Mode	YCbCr 4:2:0
Color depth	10/8 bit (HEVC)
Bitrate (Mbps)	Max 200 Mbps
Audio	
Format	AAC
Sampling Frequency (kHz)	48kHz
Audio Channel	2CH

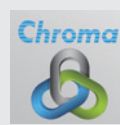
Other	
Connector	HDMI 2.1 input x 1 HDMI 2.1 output x 1 S/PDIF output x 1
USB Port	USB 3.0 x1, (supports max. 256GB)
Dimensions (HxWxD)	50x232x295 mm (2238 module slotx2)

* All specifications are subject to change without notice.

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