



# CE420 4K Pro Media Player

Commercial-Grade



## One Platform, Endless Possibilities

An Ecosystem of products specifically designed for professionals.



### Commercial-Grade

With durable construction and ultra-sleek design, CE Labs media players are perfect for any project that requires 24/7 performance.



### APPS

CE Labs' hardware platform supports hundreds of apps. With endless possibilities we have a business solution right for you.



### 3 Year Warranty

CE Labs products are built for professionals. All products come with a 3-year warranty and superior customer support.

## PRODUCT OVERVIEW

The CE420 is a 4K digital signage media player purpose built for professional digital signage environments. The CE420 has enhanced dual band Wi-Fi for superior wireless connective and ultra-reliable streaming. Supporting the latest 4K upscaling with dual decoding of two H.265/H.264 4K60 videos simultaneously, the CE420's video engine is optimized for smooth playback of HDR10 and supports HLG. With full 4K resolution graphics the CE420 delivers industry leading HTML5 rendering for true enterprise performance.

Features include our basic I/O package with Gigabit ethernet, RS-232, dual Wi-Fi, and 32GB internal Memory. Combined with best-in-class CMS software, the CE420 delivers rich content that engages, informs, and entertains.

## FEATURES

Ultra 4k Digital Signage playback powered by our most advanced quad core processor.

Large capacity 32GB Internal storage. Expandable micro-SD for up to 1TB of additional storage.

Ultra-fast Gigabit ethernet. Superior connectivity with Dual Antennas for best-in-class Wi-Fi support.

# SPECIFICATIONS

MODEL: CE420

## FEATURES

- 4K UHD HDMI 2.1 Output
- Quad Core Processor w/Dual GPU
- 2GB DDR4 RAM
- 32GB Internal Memory
- Gigabit Ethernet
- Internal Wi-Fi 802.11 a/b/g/n/ac with Dual Antennas
- Real Time Clock
- HTML5 Full Support
- HDR 10 & HLG
- CESync Software
- Stereo Audio DAC
- Commercial-Grade for Optimized 24/7 play operation
- Connect interactive devices (USB/RS-232)
- IP Streaming: play streaming media
- Live Feeds: Live data, Live Text, MRSS, Twitter, Flickr, etc.
- Mosaic Mode: multiple video zones
- Supports Custom Interactive Kiosks Applications

## VIDEO / PICTURE CODEC

- VP9 Profile-2 up to 4Kx2K@60fps
- H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps
- AVS2-P2 Profile up to 4Kx2K@60fps
- H.264 AVC HP@L5.1 up to 4Kx2K@30fps
- MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)
- WMV/VC-1 SP/MP/AP up to 1080P@60fps
- MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)
- MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)
- RealVideo 8/9/10 up to 1080P@60fps
- 8K webm VP9 @30fps
- Multiple language and multiple format sub-title video support
- Image Formats: TIFF, JPEG, GIF, PNG, WEBVTT, RokuBif, WebP

## VIDEO FORMATS

- MP4 (mp4, m4a, m4v, f4v, f4a, m4b, m4r, f4b, mov)
- MOV, WMV, WEBM, MKV, FLV, AVI, HDV, MXF, AVCHD, LXF, VOB
- 3GP (3gp, 3gp2, 3g2, 3gpp, 3gpp2), OGG (ogg, oga, ogv, ogx)
- MPEG-TS, MPEG-2 PS, MPEG-2 TS
- MPG, MP2, MPEG, MPE, MPV

## AUDIO FORMATS

- MP3, AAC, AC3, EAC3, WMA, RM, FLAC, OGG, PCM,
- Atmos(passthrough)
- Programmable with 7.1/5.1 down-mixing
- SPDIF supports 192KHz 16/24/32bit stereo

## I/O PORTS

- HDMI 2.1 Output Transmitter
- Gigabit Ethernet
- Locking Coaxial Power Jack, 12Vdc
- External Micro SD Socket (SDHC or SDXC)
- Dual SMA Jacks for Wi-Fi Antennas
- RS-232, 3.5mm Jack
- TOSLINK – R/L Audio, 3.5mm Jack
- USB 3.0 Type
- USB 2.0 Type
- External Reset Jack, 2.5mm
- Internal IR Receiver
- LED Indicators for Power, Status, LAN

## NETWORK

- Integrated 802.3 10/100/1000M Ethernet MAC with RGMII interface
- IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, RTP, RTSP, NTP, DNS

## ACCESSORIES

- Power Adapter, 100-240Vac 50/60Hz, 12Vdc/1500mA, EL VI, UL
- IR Remote w/2 AAA Batteries
- 2 Wi-Fi Antennas
- HDMI 2.0 High Speed Cable
- Quick Start Guide

## MISCELLANEOUS

- Dimensions (H) 0.77", (W) 7.7", (D) 4.0" / 20 x 195 x 104 mm
- Weight 0.9 lbs. / 0.4 kg
- Operating Temp & Humidity 0-40C, 80% Max Rel. Humidity
- Includes Rubber Standoff Feet
- Integrated Mounting Brackets
- Low Profile Design
- Rugged (Industrial) Cast Aluminum Chasis

## OPTIONAL FEATURES (Add-On)

- PoE+ Module, Internal
- USB Button Control Pad
- MicroSDXC Class 10 Cards (Various Capacities)

WARRANTY: \*3 year warranty, parts and labor.

Learn more about CE Labs at [www.celabs.com](http://www.celabs.com).

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