

DENVER CORE5



DENVER AUDIOVIDEO CORE 5 CONTROLLER

CORE 5 delivers the ultimate experience for intelligent automation deployments, whether residential or commercial, featuring the highest-quality audio of the Denver CORE series, and the processing power to coordinate hundreds of smart/connected devices. CORE 5 can automate sophisticated audio and video distribution systems, complex interior and exterior lighting and color scenes, vital security and communications systems, and climate controls for multiple zones. Powered by a next-generation multi-core processor, CORE 5 delivers a new level of speed and performance for instantaneous, interactive control to all the systems on the job, and a beautiful, interactive 4K on-screen menu. For entertainment, CORE 5 includes new, higher quality DACs (digital to analog converters) with audiophile-grade signal-to-noise ratio of 118dB, and powerful new DSPs that provide ultra-fine controls for a fully customizable 6-band equalizer with graphical display. Each of the audio outputs - three digital audio outputs, three analog audio outputs, and an HDMI output - can be independently streamed simultaneously by Ryff, the built-in high-resolution audio server, allowing customers to listen to their local music library, or stream from a variety of leading music services, and AirPlay-enabled devices. CORE 5 includes secure, wireless Zigbee and Zwave*, and plentiful I/O including IP, infrared (IR), and serial to control and automate distributed audio and video systems, lighting systems with color and temperature controls, climate control, security and surveillance systems and their sensors, audio/video intercom systems, and more. The sleek fan-less design, heat-sink chassis, rack-mount form factor, and top-of-the-line components make the CORE 5 the ultimate foundation to power any next-gen intelligent deployment. With OvrC Pro built in, CORE 5 will be the foundation for networking monitoring and management, giving you access to the entire network of IP devices - including third-party products - for remote connections, device and network configurations, and troubleshooting. Those features, paired with diagnostic data, make remote support easy, eliminating unnecessary service calls, which will enable you to streamline your business and tackle more jobs - all from the OvrC web or mobile app

- New, updated multi-core processors allow CORE 5 to run OS 3 faster and more efficiently, with power to spare for new features and functionality currently in development
- Four audio outputs—two stereo analog outputs, one digital audio output, and one HDMI—distribute up to four simultaneous, high-resolution audio streams from native streaming services, AirPlay-enabled devices, and local music libraries
- Ryff high-resolution audio server built-in, with native support for popular streaming services including Qobuz, TIDAL, Pandora, Spotify, SiriusXM, SOUNDMACHINE, TuneIn, and more
- Elegant 4K on-screen interactive menu for easy access to entertainment sources, device control, scene selection, comfort settings, surveillance monitoring, and more

- 1U, fan-less design features a heat-sink chassis and integrated power supply, for a simple, silent and reliable installation
- PoE+ provides power and network connectivity over a single CAT5/CAT6 cable · Built-in two-port Ethernet switch simplifies installation by connecting an additional device to the local network
- Included ears in the box to allow for mounting inside a rack
- Optional mounting bracket allows easy mounting to the back of a TV, on the wall, or to a standard wall box
- Integrated Zigbee and Zwave* radios with external antennas simplify installation while delivering reliable low-bandwidth communication for other smart/connected devices
- USB port enables connection to external hard drives for easy access to music content, or use of a WI-FI dongle
- Registration to customer.control4.com enables access and control from multiple mobile devices through the Control4 App for Android and iOS – including Apple Watch – while connected to the local network
- Active 4Sight subscription enables remote access with the Control4 App, Intercom Anywhere, Notifications, integration with Alexa and Google voice assistants, When>>Then access, and automatic cloud backups
- Communication server built-in for audio/video intercom between Control4 touchscreens, Chime Video Doorbells and door stations
- OvrC Pro built in for advanced remote management and monitoring, device and network configurations, and simplified troubleshooting solutions including the OvrC Connect app for customers.

*Z Wave antennas will be enabled later in 2022 after completion of the certification process

ID Button

*Control4 app	Supports up to 50 iOS and Android devices
*OvrC Hub	Built-in OvrC Pro functionality
*Music Services	Pandora, Napster, Spotify, TuneIn, TIDAL, Deezer, SiriusXM, SOUNDMACHINE, iHeartRadio, Amazon Music, Radio.com, Qobuz
*Apple Support	Airplay-enabled devices

Inputs/Outputs - AV

Video Out	1 video out—HDMI
Video Out	HDMI 2.0a output; 4K @ 60Hz
Audio Out	4 audio out - HDMI, 2 stereo analog, and Digital Coax
Audio In	1 audio in - dig coax
DSP	<p>Stereo Analog Output 1/2</p> <ul style="list-style-type: none">- Balance (+/-12dB, 0.5dB steps)- Max Volume (0 - 100), Volume (0 - 100)- Loudness (on/off)- 6-Band PEQ (Gain +/-12dB, 0.01steps; Freq 20-20kHz, 1Hz steps; Q 0.5-15, 0.01steps)- Mono/Stereo- Shelving (Hi/Lo) Treble, Bass (Gain +/-12dB, 0.01steps; Freq 20-20kHz)- Test Signal (0 to -50dB, 0.5dB steps) <p>Stereo Digital Input</p> <ul style="list-style-type: none">- Input level <p>Stereo Digital Output</p> <ul style="list-style-type: none">- Max Volume (0 - 100)- Volume (0 - 100)- Mute- All controls can happen simultaneously
Audio Playback	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM
Audio Resolution	Up to 192 kHz / 24 bit

Accessories

3.5mm to DB9 Serial Cable	C4-CBL3.5-DB9
Remote for OnScreen Menu	C4-SR260-B
4Sight Subscription (1 Year)	C4-4Sight-E

Inputs/Outputs - Network

Ethernet	10/100/1000BaseT compatible (required for controller setup) 1 1 Ethernet/POE+ in port, 1 Ethernet out port
WiFi	Accessory only via USB
WiFi Security	WPA/WPA2
WiFi Antenna	Accessory only via USB
Zigbee Pro	802.15.4
Zigbee Antenna	External reverse SMA connector
Zwave	Z Wave 700 series
Z Wave	Antenna External reverse SMA connector
USB Port	2 USB 2.0 port

Inputs/Outputs - Control

IR out	8 IR out – 4V 27ma max output
IR capture	1 IR receiver—front; 20-60 kHz
serial out	4 serial out (2 DB9 and 2 shared with IR)
Contacts	4x; 2-30 VDC input, 12VDC 125mA max output
Relays	4x; AC: 36V, 2A max across relay; DC: 24V, 2A max across relay

Power

Power requirements	100-240VAC, 60/50Hz
Power consumption	Max: 40W, 136 BTUs/hour Idle: 15W, 51 BTUs/hour

Other

Operating Temperature	32 - 104 F (0 - 40 C)
Storage temperature	4 - 158 F (-20 - 70 C)
Fan dB level	No fan
Dimensions (H x W x D)	1.68" (42.9mm) X 8.63" (220mm) X 5.5" (140mm)
Weight	5.9 lbs (2.68 kg)

Other - Mechanical and Hardware

Front Panel LEDs	Status LEDs (listed left to right): music streaming, warning, Link, power
ID Button	Includes LED that mimics the power LED on the front panel
CPU	i.MX8Mi Quad Core
RAM	4GB Minimum
Flash Disk	16GB eMMC
Security	Secure Boot
OSD	QT OSD

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