CS-3150

CueServer 3 Core DX

Overview

CueServers are powerful lighting control and show playback processors designed to be completely self-contained and extremely cost effective. Available in a series of models, these powerhouse controllers provide limitless solutions to the lighting professional.

CueServer 3 Core is the smallest and most cost-effective of the CueServer 3 models and is housed in a rugged anodized aluminum enclosure suitable for desktop use or panel, DIN, or truss mounting using optional bracket kits.

All CueServer 3 Core processors are built around a high-performance quad-core CPU, custom I/O coprocessor, and Gigabit-capable Ethernet to run the most demanding projects up to 16,384 channels, generate beautiful effects, and to host your custom designed layouts to touchscreens and mobile devices with ease.

The **CueServer 3 Core DX** variant (CS-3150) additionally features two built-in isolated RJ45 DMX ports that can be configured as either DMX Inputs or Outputs. The DX model includes expanded I/O features including contact closure inputs, digital outputs, RS-232 serial, user-definable function buttons with RGB indicators, and stereo audio input/output for playing sound effects or music, or SMPTE timecode input.

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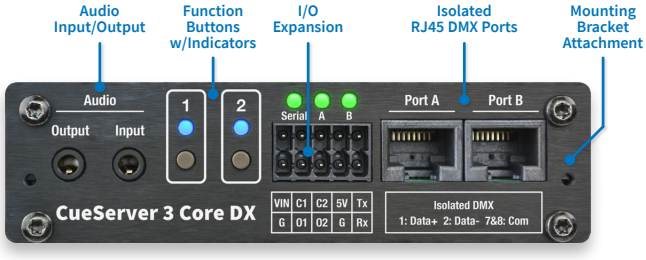
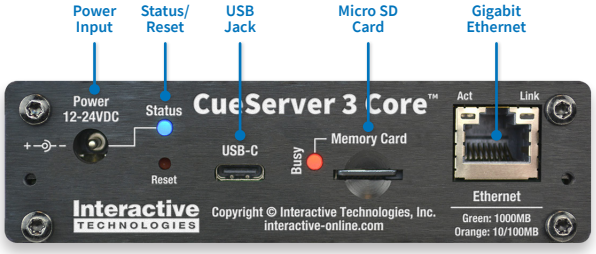


Front Panel



Rear Panel

Features

- Completely self-contained lighting playback, architectural processor, and DMX fade engine with effects generator
- Seamless handling of Cue Lists, Presets, and Streams
- Control of up to 32 universes of DMX or 32 independent playback timelines
- Dynamic patching of up to 16,384 channels to 128 separate sACN, Art-Net, or KiNET universes
- Built-in isolated RJ45 DMX ports configurable as inputs or outputs
- Front-panel configurable function buttons with RGB indicator LEDs
- Creation of lighting scenes directly or capture from external sources
- Powerful CueScript scripting language
- Real-Time clock with astronomical and calendar events
- Built-in web server for hosting custom interactive web pages
- Multi-show storage on removable microSD memory card
- System integration via Ethernet, Serial, Digital I/O, and Audio
- Compatible with CueStation buttons and Insite touchscreens
- Easy interfacing with Crestron, AMX, Vantage, Control 4, Medialon, Savant and other automation systems
- Native programming environment for both Mac and Windows
- Small anodized aluminum enclosure with optional brackets

Applications

- Commercial or Residential
- Architectural or Entertainment Lighting
- Themed Entertainment Venues
- Cruise Ships
- Museums
- Broadcast Studios
- Water Fountains
- Trade Shows
- Building Management

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Catalog #:	**Project:**
Prepared by:	**Date:**

Specifications

Feature	Detail	Description	
Installable Options	DMX Channels	1,024 Channels (Standard) Up to 16,384 Channels may be licensed	
Capacity (per Show)	Universe Patching	128 sACN, Art-Net, or KiNET universes	
	Playbacks	Up to 32, depending on number of Channels †	
	Cues	1,000,000 per Cue Stack*	* Note: These parameters may be limited by available SD Card storage space
	Cue Stacks	Unlimited*	
	Groups	100,000*	
	Macros	100,000*	
	Global Rules	1,000*	
	Timer Events	1,000*	
	External Button Stations	1,000*	
	Audio Clips	Unlimited*	
	Web Content	Unlimited*	
Protocols	Ethernet	UDP, TCP, HTTP, TELNET, NTP, sACN, Art-Net, KiNet v1/v2, CueScript, CueStation	
	Serial	User-Defined ASCII, CueScript, CueStation	
Connections	Power	2.1mm DC Power Input Jack	
	Network	RJ45 10/100/1000 Base-T Ethernet	
	DMX	(2x) Bi-directional RJ45 DMX ports	
	I/O	10-Position Pluggable Terminal Block for 2 Contact Closure Inputs, 2 Low-Voltage Digital Outputs (500mA each), RS-232 Serial Port, Auxiliary 5VDC Output (200mA Max), and DC Power In/Out (VIN)	
	Audio	(2x) 3.5mm (1/8”) audio jacks for stereo audio input and output	
	USB	USB-C Host Port	
User Interface	Function Buttons	(2x) User-Defined Function Buttons with RGB LEDs	
Power	Input	12-24VDC, 4.5 Watts	
Memory	Removable Card	Micro SD (FAT32 formatted cards up to 2TB)	
Real Time Clock	Type	Battery-backed, 1 second resolution, less than +/-5ppm drift	
	Synchronization	Automatic using Network Time Protocol (NTP)	
	Event Triggers	Time of day, day of week, day of month, week of month, year, date range, astronomical time (relative to sunrise or sunset +/- specified offset)	
Compliance	Standards	CE, FCC, RoHS	
Physical	Width	4.27” (109 mm) without mounting brackets 4.81” (122 mm) with vertical mounting bracket 5.13” (130 mm) with vertical DIN mounting bracket 6.15” (156 mm) with horizontal mounting brackets	
	Length	3.43” (87 mm)	
	Height	1.18” (30 mm)	
	Weight	0.55 lbs. (0.25 kg)	
Environmental	Operating Temperature	-13° to 158° F (-25° to 70° C)	
	Storage Temperature	-40° to 176° F (-40° to 80°C)	
	Humidity	5 to 95%, non-condensing	
	Altitude	10,000 feet maximum	

† The number of channel universes times the number of playbacks must be 32 or less.

Ordering

CueServer 3

CS-3150 — **CueServer 3 Core DX**
Includes CueServer 3 Core DX with power supply, pluggable terminal block, and 1,024 channel license

CS-3150-AUST — **Same as above w/Australian PSU**

CS-3150-EURO — **Same as above w/UK-Euro PSU**

CS-UNIV — **Additional Universe License**
Adds one additional universe of channels (maximum 32)

Optional Mounting Bracket Kits

AX-BR-HMK — **Horizontal Mounting Kit**

AX-BR-HDK — **Horizontal DIN Rail Kit**

AX-BR-VMK — **Vertical Mounting Kit**

AX-BR-VDK — **Vertical DIN Rail Kit**

Software

CueServer Studio
Programming software for CueServer for both MacOS and Windows may be downloaded for free from interactive-online.com.

CueServer can be used to meet California Title 24 requirements.

CueServer is proudly designed, engineered, and manufactured in the USA.

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