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 Pro is the flagship of the CueServer 3 family and is housed in a sturdy 1U rack-mount enclosure with removable brackets.

All CueServer 3 processors are built around a high-performance quad-core CPU, custom I/O coprocessor, and Gigabit 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 Pro** offers a front-panel touchscreen for quick access to system status, configuration, and diagnostics. The front-panel also provides eight customizable function buttons with fully controllable RGB backlighting and field-replaceable legends for project personalization.

On the back of the **CueServer 3 Pro** is an array of eight smart module slots. Each slot can optionally be fitted with a range of expansion modules such as isolated DMX ports, digital I/O functions, serial ports, relays, and more. Smart modules can be used to configure CueServer to the specific needs of each project.

CueServer 3 Pro also features dual Gigabit Ethernet ports to optionally separate lighting data from control data and stereo audio input/output for playing sound effects or music, or SMPTE timecode input.

CS-3900
CueServer 3 Pro

Front Panel

Rear Panel
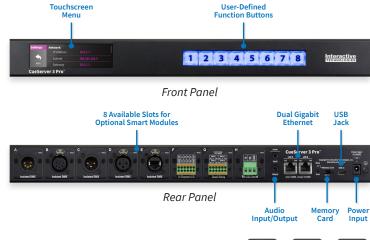

Optional Smart Modules

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
- Dual Gigabit Ethernet ports for separate configurable lighting data and management networks
- Flexible module slots for installing a range of expansion modules that support DMX, I/O, Serial, Relays and more
- Front-panel configurable function buttons with RGB backlighting and field-replaceable legends
- Creation of lighting scenes directly or capture from external sources
- Powerful CueScript scripting language

(Features continued on back...)

Customized Button Legends

* Smart Modules Sold Separately

Applications

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

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	(2x) RJ45 10/100/1000 Base-T Ethernet	
	I/O	(8x) Smart module slots, each accommodating a variety of optional modules for DMX, I/O, Serial, Relays and more	
	Audio	(2x) 3.5mm (1/8") audio jacks for stereo audio input and output	
	USB	USB-C Host Port	
User Interface	LCD	4.0" Capacitive Color 480x128 LCD Touchscreen	
	Function Buttons	(8x) User-Defined Function Buttons with RGB backlighting and field-replaceable legends	
Power	Input	12-24VDC, 6.5 Watts Max (no modules installed) **Note:** Add each module's power consumption to determine total wattage	
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	17.1" (435 mm) without mounting brackets 19.0" (483 mm) with mounting brackets	
	Depth	6.0" (153 mm)	
	Height	1.73" (44 mm)	
	Weight	2.6 lbs. (1.17 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.

Features (continued)

- 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
- 1U rack-mounted enclosure with removable brackets

Ordering

CueServer 3

CS-3900 — **CueServer 3 Pro**
Includes CueServer 3 Pro with power supply, eight empty module slots, rack mounting brackets, and 1,024 channel license

CS-3900-AUST — **Same as above w/Australian PSU**

CS-3900-EURO — **Same as above w/UK-Euro PSU**

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

Optional Smart Modules

SM-(xxxx)
Expand the capabilities of CueServer 3 Pro by adding up to eight smart modules (sold separately). See separate specification sheets for more information.

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.