

### 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.

The CueServer 2 Pro (CS-900) is housed in a sturdy 1U rack-mount enclosure with removable brackets.

CueServer 2 Pro features dual LAN ports for splitting Ethernet-based lighting and management data onto separate networks if desired.

CueServer 2 Pro boasts an innovative modular DMX port system. Four bi-directional DMX ports on the back of the unit are user-configurable with any of seven available port modules. These interchangeable modules allow CueServer 2 Pro to be customized for different installation environments eliminating the need for external adapters.

The front-panel of CueServer 2 Pro has eight customizable function buttons. Each button has fully controllable RGB backlighting and field-replaceable legends for project personalization. A navigation keypad is used to operate the onboard LCD menu for basic system settings, show selection, and macro execution.



CS-900  
CueServer 2 Pro



Rear Panel



Optional DMX Modules



Customized Button Legends

### Features

- Completely self-contained lighting playback, architectural processor, and DMX fade engine
- 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 Ethernet ports for separate configurable lighting data and management networks
- Flexible module-based bi-directional DMX ports for custom jack configurations
- 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
- 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 CueTouch 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

### Applications

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

### Awards

CueServer 2 has received the following awards:

- LDI 2014 Lighting Control Product of the Year
- PLASA 2014 Member's Choice Product of the Year

#### Interactive Technologies, Inc.

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Catalog #:

Prepared by:

Project:

Date:

## Specifications

Feature	Detail	Description	
Installable Options	DMX Channels	1,024 Channels 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, Streaming ACN (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 Base-T Ethernet (Dual-LAN)	
	DMX	(4x) Bi-directional DMX module slots for custom configuration of preferred jack type	
	I/O	(2x) 5-Position Pluggable Terminal Blocks for RS-232 and RS-485 Serial Ports (2x) 10-Position Pluggable Terminal Blocks for 8 Contact Closure Inputs and 8 Low-Voltage Digital Outputs and Auxiliary 5VDC Output (200mA Max)	
	Audio	(2x) 3.5mm (1/8") Audio Jacks for stereo audio I/O	
	USB	(1x) Type-A USB Host Port (1x) Micro-B USB Device Port	
User Interface	LCD	40 Character x 2 Line (Black on White)	
	Menu Buttons	5-Way Navigation Switch	
	Function Buttons	(8x) User-Defined Function Buttons with RGB back-lighting and field-replaceable legends	
Power	Input	12-24VDC, 9 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)	
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	3.2 lbs. (1.43 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 2

#### **CS-900**

#### **CueServer 2 Pro**

*Includes rack-mounted CueServer 2 with power supply, four empty DMX module slots, rack mounting brackets, terminal blocks, and 1,024 channel license*

#### **CS-900-AUST**

*Same as above w/Australian PSU*

#### **CS-900-EURO**

*Same as above w/UK-Euro PSU*

#### **CS-UNIV**

#### **CueServer 2 Additional Universe License**

*Adds one additional universe of channels (maximum 32)*

### Optional DMX Modules

**CS-MOD-X5F 5-Pin XLR Female Module**

**CS-MOD-X5M 5-Pin XLR Male Module**

**CS-MOD-X3F 3-Pin XLR Female Module**

**CS-MOD-X3M 3-Pin XLR Male Module**

**CS-MOD-RJ45 Ethercon RJ45 Module**

**CS-MOD-TB-ST Terminal Block Module w/Screw Terminals**

**CS-MOD-TB-IDC Terminal Block Module w/IDC Terminals**

**CS-MOD-BLANK Blank Module Cover**

### Software

#### **CueServer Studio 2**

Programming software for CueServer 2 for both Mac OS X and Windows may be downloaded for free from [www.interactive-online.com](http://www.interactive-online.com)



*CueServer 2 can be used to meet California Title 24 requirements.*



*CueServer 2 is proudly designed, engineered, and manufactured in the USA.*

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