

LS Series

Cost-effective, high performance cinema audio

Mainstream cinema | Post production

The Christie (R) Vive Audio (R) LS Series of loudspeakers is a cost-effective cinema audio platform that uses advanced planar ribbon driver technology for the accurate reproduction of high dynamic range; achieving high resolution DCI-specified audio. High-resolution DCI-specified audio; utilising advanced planar ribbon driver technology. The LS Series includes four-way screen channel loudspeaker systems with dual planar ribbon tweeters and two-way surround channel loudspeakers. It is ideal for deployment in small-to-medium sized auditoriums where ultra-fast transient response for enhanced clarity and low distortion is critical.



CHRISTIE[®]
VIVE AUDIO 

Cost-effective, high performance cinema audio

Featuring planar ribbon drivers, Christie® Vive Audio® LS Series provides dramatically higher RMS-to-peak max SPL ratio than compression drivers, improving performance and intelligibility. Rotatable waveguides, slim enclosures, and multiple mounting options make the LS Series quick and easy to install discretely into any space-constrained auditorium.



Special features

- › High efficiency design enables the use of lower power amplifiers, resulting in overall systems cost savings
- › Acoustically isolated and extensively damped to minimize driver interaction and enhance small level signal resolution
- › Rotatable MF-HF waveguides on screen channel loudspeakers increase installation options
- › Higher resolution audio and dynamic range reproduction than standard cinema audio loudspeaker systems
- › Low light reflective finish for stealthy cinema installations
- › Provides wide horizontal dispersion and controlled vertical dispersion pattern based on sophisticated crossover design with frequency shading technology and optimized acoustic integration of transducers
- › Planar ribbon drivers provide better RMS-to-peak max SPL ratio than compression driver systems resulting in enhanced voice intelligibility, superb sonic balance and less distortion
- › Backed by a limited 5-year warranty

◀ LS2 screen channel speaker

Screen channels

	LS1	LS2
System type	Four-way, bi-amp, ported enclosure	
Driver components	HF: high output 2 x 3" planar ribbon with Kapton® diaphragm and Neodymium magnets MF: 6.5" paper/Kevlar high efficiency midrange with 38mm edge wound voice coil LF: 15" paper composite cone driver with 100mm diameter voice coil	HF: high output 6" and 3" planar ribbon with Kapton diaphragm and Neodymium magnets MF: 6.5" paper/Kevlar high efficiency midrange with 51mm edge wound voice coil LF: 2 x 15" paper composite cone driver with 100mm diameter voice coil
Maximum SPL	126dB SPL continuous, 138dB SPL peak	131dB SPL continuous, 143dB SPL peak
System coverage	100° horizontal dispersion, 40° vertical dispersion	



^ LS5S surround loudspeaker ^ LS2C ceiling surround loudspeaker

Surrounds

	LS1S	LS2S	LS5S
System type	Two-way, passive, ported enclosure		
Driver components	HF: 3.5" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 8" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 8" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 10" paper/Kevlar composite cone with 64mm diameter edge wound voice coil
Maximum SPL	114dB SPL continuous, 126dB SPL peak	116.5dB SPL continuous, 128dB SPL peak	122dB SPL continuous, 133dB SPL peak
System coverage	100° horizontal dispersion, 50° vertical dispersion		

Ceiling surround

	LS2C
System type	Coaxial, two-way, passive, ported enclosure
Driver components	HF: 2" annular planar ribbon driver with Kapton diaphragm and Neodymium magnets and 1.2" exit coaxially mounted LF: 12" paper/Kevlar composite cone driver
Maximum SPL	122.3dB SPL continuous, 126.8dB SPL peak
System coverage	100deg spherical cone dispersion

LS screen channel solutions

Comprising our LS Series screen channel loudspeakers and Class D amplifiers, Christie Vive Audio Solutions are configured to provide the ideal cinema sound system based on auditorium size. Theatre owners can supplement these solutions with our LS Series or LA Series surround loudspeakers.



	VAS-LS1	VAS-LS2
Auditorium size (max room length)	60.5' (18.4m)	120' (36.6m)
Screen channel	LS1	LS2
Bracket component	BKT-LSX Platform mountable tilt bracket (included with loudspeaker)	
Recommended amplifier	CDA5	CDA5

Corporate offices

Christie Digital Systems USA, Inc.
Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Kitchener
ph: 519 744 8005

Independent sales consultant offices

Italy
ph: +39 (0) 2 9902 1161

Worldwide offices

Australia
ph: +61 (0) 7 3624 4888

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6278 7708

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 2161 664540

India
ph: +91 (080) 6708 9999

Japan (Tokyo)
ph: 81 3 3599 7481

Korea (Seoul)
ph: +82 2 702 1601

Mexico
ph: +52 55 4744 1790

Russian Federation
Eastern Europe
ph: +36 (0) 1 47 48 100

Singapore
ph: +65 6877 8737

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 4 3206688

United Kingdom
ph: +44 (0) 118 977 8000

United States (Arizona)
ph: 602 943 5700

United States (New York)
ph: 646 779 2014



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