



**PROFESSIONAL DIGITAL CINEMA SOUND  
REINFORCEMENT SYSTEM**





**Beta Three®** Commercial audio products are specifically designed and engineered to meet the vast array of sound reinforcement applications that exist.

**Beta Three®** professional audio products have been developed collaboratively with Elder Audio and several European and American professional audio companies. AES and IEC standards are adhered to in the design and manufacture of all products.

**Beta Three®** professional audio products encompass a broad range of products so as to be able to meet the sound reinforcement requirements from a small space right up to a very large sized venue including schools, conference rooms, multifunction halls, gymnasiums, entertainment centres, theatre facilities, digital cinema venues, exhibition centres, and sporting stadiums.

**Beta Three®** professional audio products can be found in many premium installations around the world.

**Beta Three®** professional audio products are continually striving to improve their range. Elder Audio continues to make investment in Beta Three® research and development to ensure that they are on the cutting edge of all technologies.



# CONTENT

CINEMA SPEAKER

ELECTRONICS

PROCESSOR

DIGITAL CINEMA SYSTEM



**CS** **SERIES**

professional cinema speaker







# CS3415A/CS3415L

4 Transducers 3-Way Full Range Cinema Speaker

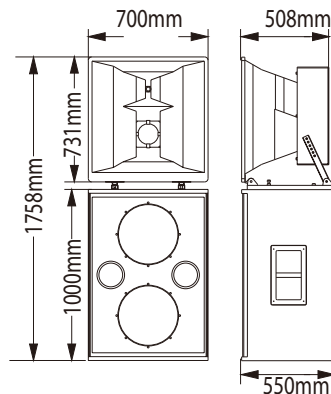
## DESCRIPTION

This is a two cabinet system consisting of a two-way mid/high horn loudspeaker and a separate subwoofer loudspeaker cabinet. This Series specifically designed and engineered to meet requirements within Digital Cinema installations where high quality music and vocal reproduction is essential.

## FEATURES

- Four transducers three way full range
- High SPL, high sensitivity
- Two 15" high powerful woofers
- One 10" compression horn mid range transducer
- One compression driver with 75mm titanium diaphragm
- Built-in crossover for HF/MF. external crossover for MF/HF
- Computer simulating design provides Frequency response and phase feature
- Very convenient wall installation mode
- Suitable for THX,DTS and other multi-channel cinema surrounding sound reinforcement
- Suitable for big/mid cinema audio system

## CABINET



CS3415A/CS3415L



CS3415A

CS3415L

## SPECIFICATIONS

Model	CS34I5A	CS34I5L
Transducers	2x15"LF + 1x10"MF + 1x3"HF	
Frequency Response(-3db)	LF: 35Hz-550Hz, MF/HF: 400Hz-15kHz	LF: 38Hz-550Hz, MF/HF: 400Hz-15kHz
Rated Power	LF: 900W, MID/HIGH: 300W	LF: 800W, MID/HIGH: 250W
Sensitivity(1w@1m)	LF: 102dB, MF/HF: 105dB	LF: 101dB, MF/HF: 105dB
Maximum SPL(1w@1m)	132dB	MF/HF:134dB, LF:136dB
Rated Impedance	LF: 4Ω, MF/HF: 8Ω	
Dispersion(hxv)	90°x40°	90°x50°
Crossover Point:	LF/MF: 350Hz, MF/HF: 1.5kHz	LF/MF: 315Hz, MF/HF: 1.5kHz
Input	Spring clip	
Dimensions(wxdxh)	LF: 700 x 550 x 1000mm, MF/HF: 700 x 508 x 731mm	LF: 700 x 550 x 1000mm, MF/HF: 700 x 508 x 731mm
Packaging Dimensions(wxdxh)	LF: 810 x 660 x 1120mm, MF/HF: 855 x 826 x 638mm	LF: 810 x 610 x 1120mm, MF/HF: 855 x 826 x 638mm
Net Weight	LF: 75.0kg, MF/HF: 32.5kg	LF: 74.0kg, MF/HF: 14.4kg
Gross Weight	LF: 81.0kg, MF/HF: 37.0kg	LF: 82.0kg, MF/HF: 19.0kg





# CS2315A/CS2315L

3-Way Full Range Cinema Speaker

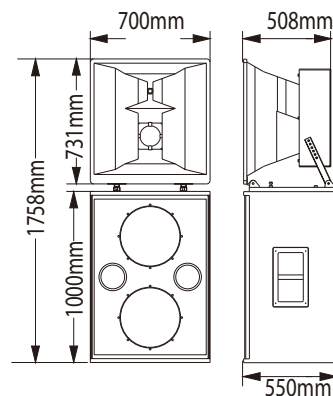
## DESCRIPTION

This is a two cabinet system consisting of a two-way mid/high horn loudspeaker and a separate subwoofer loudspeaker cabinet. This Series specifically designed and engineered to meet requirements within Digital Cinema installations where high quality music and vocal reproduction is essential.

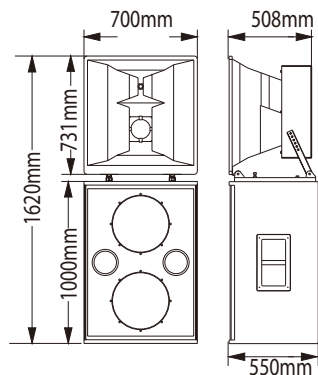
## FEATURES

- Four transducers three way full range
- System type: three-frequency single drive or dual drive loudspeaker
- High frequency harmonic attenuation patented technology wooden horn
- High frequency no vertical pointing Angle adjustable,
- Adjusting range + 20 ° to 30 °
- Bass with ultra-high perforation rate steel mesh protection, against mechanical damage and insect damage
- Three-frequency dual channel power amplifier drive
- Suitable for big/mid cinema audio system

## CABINET



CS2315A



CS2315L



CS2315A



CS2315L

## SPECIFICATIONS

Model	CS2315A	CS2315L
Transducers	2x15"LF + 1x10"MF + 1x3"HF	2x15"LF + 1x8"MF + 1xØ44mmHF
Frequency Response(-3db)	LF: 40Hz-550Hz, HF/HF: 400Hz-15kHz	LF: 40Hz-550Hz, HF/HF: 400Hz-20kHz
Rated Power	LF: 900W, MID/HIGH: 300W	LF: 900W, MID/HIGH: 200W
Sensitivity(1W@1m)	LF: 100dB, MF/HF: 105dB	LF: 100dB, MF/HF: 103dB
Maximum SPL (1W@1m)	LF:135dB, MF/HF:135dB	LF:135dB, MF/HF:132dB
Rated Impedance	LF: 4Ω, MF/HF: 8Ω	
Dispersion(HxV)	90°×40°	
Crossover Point:	LF/MF: 400Hz, MF/HF: 1.5kHz	LF/MF: 400Hz, MF/HF: 2.2kHz
Input	Spring clip	
Dimensions(SxDxH)	LF:700×1000×600mm, MF/HF:700×731×508mm	LF:700×1000×550mm, MF/HF:560×584×408mm
Packaging Dimensions(SxDxH)	LF:800×1100×650mm, MF/HF:845×618×816mm	LF:800×1100×650mm, MF/HF:690×666×515mm
Net Weight	LF:66.0kg, MF/HF:32.5kg	LF:66.0kg, MF/HF:14.4kg
Gross Weight	LF:72.0kg, MF/HF:37.0kg	LF:72.0kg, MF/HF:19.0kg

# CS4615A/CS4418A

6 Transducers 4-Way Full Range Cinema Speaker

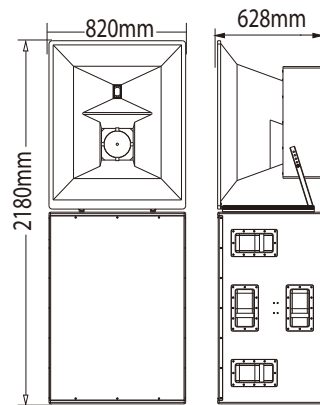
## DESCRIPTION

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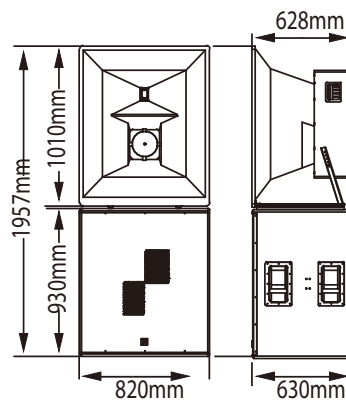
## FEATURES

- Six transducers four-way full range
- High SPL, high sensitivity
- 4x15" high powerful woofers
- One 12" compression horn mid range transducer,
- One compression driver with 2" titanium diaphragm
- Built-in crossover for HF/MF. external crossover for MF/HF
- 90x60 wide dispersion can get the wider coverage
- Computer simulating design provides Frequency response and phase feature
- Very convenient wall installation mode
- Suitable for THX,DTS and other multi-channel cinema surrounding sound reinforcement
- Suitable for big/mid cinema audio system

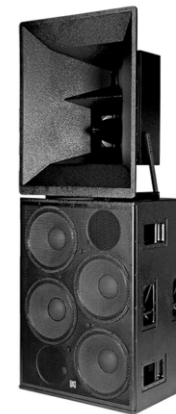
## CABINET



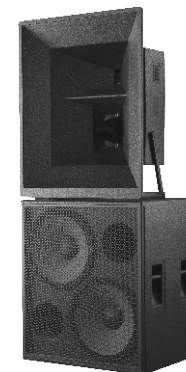
CS4615A



CS4418A



CS4615A



CS4418A



## SPECIFICATIONS

Model	CS46I5A	CS44I8A
Transducers	4x15"LF + 1x12"MF + 1xT100/Φ44mmHF	2x18"LF + 1x12"MF + 1xT100/Φ44mmHF
Frequency Response(-3db)	LF: 40Hz-350Hz, MF/HF: 90Hz-17kHz	
Rated Power	LF: 900W x 2, MID/HIGH: 400W	LF: 2000W, MID/HIGH: 800W
Sensitivity(1W@1m)	LF: 101dB, MF/HF: 103dB	LF: 101dB, MF/HF: 105dB
Maximum SPL (1W@1m)	LF:134dB, MF/HF:131dB	LF:131dB/137dB, MF/HF:130dB/136dB
Rated Impedance	LF: 4Ω x 2, MF/HF: 4Ω	LF: 4Ω, MF/HF: 4Ω
Dispersion(HxV)	90°×60°	
Input	Spring clip	
Dimensions(WxDxH)	LF:820×628×1150mm, MF/HF:820×628×1030mm	LF:820×630×930mm, MF/HF:820×628×1030mm
Packaging Dimensions(WxDxH)	LF:920×728×1250mm, MF/HF:945×762×1148mm	LF:930×740×1050mm, MF/HF:1158×955×782mm
Net Weight	LF:115.0kg, MF/HF:35.0kg	LF:91.0kg, MF/HF:35.0kg
Gross Weight	LF:121.0kg, MF/HF:40.0kg	LF:96.0kg, MF/HF:40.0kg

# CS3412A/CS3315A

3-Way Full Range Cinema Speaker

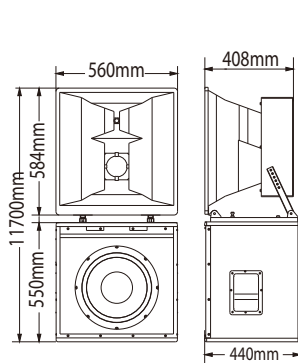
## DESCRIPTION

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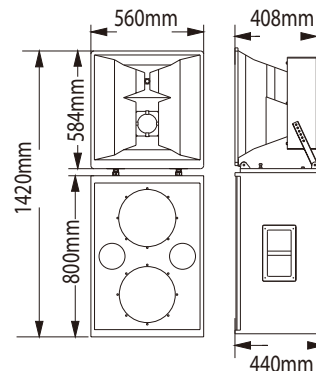
## FEATURES

- Four transducers three way full range
- High SPL, high sensitivity
- Two 12" high powerful woofers
- One 8" compression horn mid range driver
- One compression driver with 44mm titanium diaphragm
- Built-in crossover for HF/MF. external crossover for MF/HF
- 90°x40° wide dispersion can get the wider coverage
- Computer simulating design provides Frequency response and phase feature
- Very convenient wall installation mode
- Suitable for THX,DTS and other multi-channel cinema surrounding sound reinforcement
- Suitable for Mid/small cinema audio system

## CABINET



CS3315A



CS3412A



CS3315A



CS3412A

## SPECIFICATIONS

Model	CS3315A	CS3412A
Transducers	1x15"LF + 1x8"MF + 1xØ44mmHF	2x12"LF + 1x8"MF + 1xØ44mmHF
Frequency Response(-3db)	LF: 40Hz - 1.5kHz , MF/HF: 50Hz - 2.2kHz	LF: 43Hz - 800Hz , MF/HF: 400Hz - 2.0kHz
Rated Power	LF: 300W , MID/HIGH: 150W	LF: 500W, MID/HIGH: 200W
Sensitivity(1W@1m)	LF: 96dB , MF/HF: 150dB	LF: 100dB, MF/HF: 103dB
Maximum SPL (1W@1m)	LF:126dB, MF/HF:123dB	LF:133dB, MF/HF:132dB
Rated Impedance	LF: 4Ω , MF/HF: 8Ω	
Dispersion(HxV)	90°×40°	
Input	Spring clip	
Dimensions(WxDxH)	LF:550 × 440 × 550mm, MF/HF:560 × 408 × 584mm	LF:560 × 440 × 800mm, MF/HF:560 × 408 × 584mm
Packaging Dimensions(WxDxH)	LF:670 × 550 × 670mm, MF/HF:700 × 676 × 535mm	LF:670 × 550 × 920mm, MF/HF:700 × 676 × 535mm
Net Weight	LF:15.5kg,MF/HF:14.4kg	LF:40kg , MF/HF:14.4kg
Gross Weight	LF:18.5kg,MF/HF:19.0kg	LF:45kg , MF/HF:19kg

# CS1315A/CS1312A

3-Way Full Range Cinema Speaker

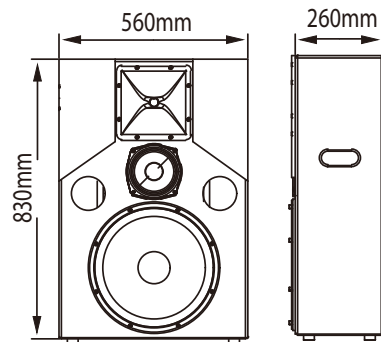
## DESCRIPTION

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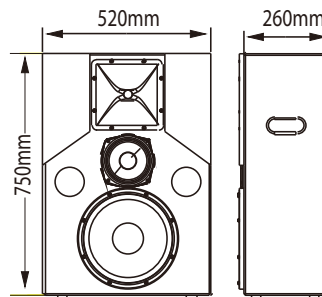
## FEATURES

- 3-Way Full Range Cinema Speaker
- Using high frequency harmonic attenuation patented technology steel horn
- **CS1315A:** 1x15"LF + 1x6"MF + 1xØ44mmHF
- **CS1312A:** 1x12"LF + 1x6"MF + 1xØ44mmHF
- **CS1315A:** Suitable for cinemas and movies with less than 100 seats
- **CS1312A:** Suitable for cinemas and movies with less than 80 seats

## CABINET



CS1315A



CS1312A



CS1315A



CS1312A



## SPECIFICATIONS

Model	CS1315A	CS1312A
Transducers	1x15"LF + 1x6"MF + 1xØ44mmHF	1x12"LF + 1x6"MF + 1xØ44mmHF
Frequency Response(-3db)	50Hz - 20kHz	55Hz - 20kHz
Rated Power	300W	250W
Sensitivity(1W@1m)	96dB	95dB
Maximum SPL (1W@1m)	120dB/126dB	117dB/123dB
Rated Impedance	4Ω	
Dispersion(HxV)	90°×50°	
Input	Spring clip	
Dimensions(WxDxH)	560×260×830mm	520×260×750mm
Packaging dimensions(WxDxH)	640×348×925mm	600×348×845mm
Net Weight	31.5kg	27.5kg
Gross Weight	34.0kg	29.5kg



**CSB** **SERIES**

professional cinema speaker

# CSB118A/CSB218A/CSB215A

Bass Reflex Cinema subwoofer

## DESCRIPTION

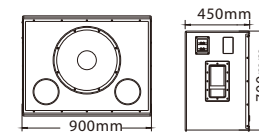
The Cinema Series subwoofer loudspeaker utilizes a high power low frequency driver with a structurally solid enclosure. The CSB Series subwoofer loudspeaker delivers extended low frequency bandwidth with excellent punch for Digital Cinema installations.

## FEATURES

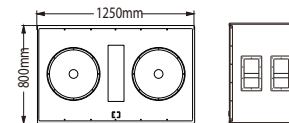
- Computer simulating design provide very good Frequency response and phase feature.
- Very convenient installation mode.
- Suitable for THX,DTS and other multi-channel surrounding sound reinforcement in cinema.
- Suitable for big/mid cinema audio system.

## SPECIFICATIONS

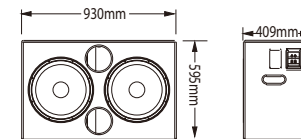
## CABINET



CSB118A



CSB218A



CSB215A

Model	CSB118A	CSB218A	CSB215A
Transducers	1 x 18"	2 x 18"	2 x 15"
Frequency Response(-3db)	45Hz-200Hz	30Hz-1800Hz	45Hz-1.0kHz
Rated Power	600W	1000W	700W
Sensitivity(1W@1m)	100dB	97dB	100dB
Maximum SPL (1W@1m)	127dB/133dB	132dB/138dB	124/130dB
Rated Impedance	8Ω	4Ω	4Ω
Dimensions(WxDxH)	900 x 450 x 700mm	1250 x 550 x 800mm	930 x 409 x 595mm
Packaging Dimensions(WxDxH)	1010 x 560 x 820mm	1350 x 650 x 920mm	1040 x 520 x 715mm
Net Weight	62.0kg	105.5kg	50.0kg
Gross Weight	67.0kg	112kg	52.5kg





CSB118A



CSB218A



CSB215A





**CSR** **SERIES**

professional cinema speaker







# CSR8L/CSR10L

2-Way Full Range Cinema Speaker

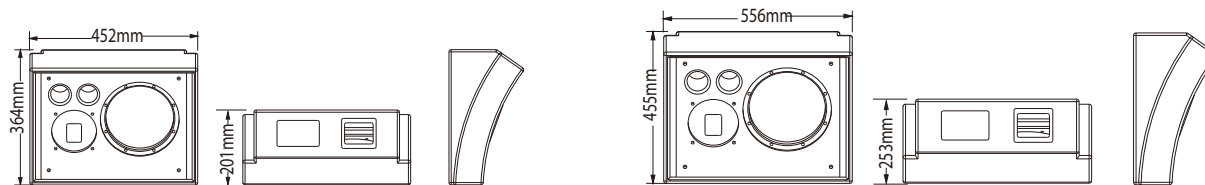
## DESCRIPTION

This is a two cabinet system consisting of a two-way mid/high horn loudspeaker and a separate subwoofer loudspeaker. This Series has been specifically designed and engineered to meet the demanding requirements within Digital Cinema installations where high quality music and sound reproduction is essential.

## FEATURES

- Two transducers two way full range.
- High SPL, high sensitivity.
- One 8" big power woofer.
- One compression driver with 1" PEI diaphragm.
- Built-in electronic protection crossover.
- Computer simulating design provide very good Frequency response and phase feature.
- Very convenient walling installation mode.
- Suitable for THX, DTS and other multi-channel surrounding sound reinforcement in cinema.
- Suitable for Mid/small cinema audio system.
- Can work with Beta Three high energy bass speaker when used for high quality music replaying

## CABINET



CSR8L

CSR10L



CSR8L



CSR10L

## SPECIFICATIONS

Model	CSR8L	CSRIOL
Transducers	1x8"LF + 1xØ25mmHF	1x10"LF + 1xØ44mmHF
Frequency Response(-3db)	70Hz-18kHz	60Hz-20kHz
Rated Power	100W	250W
Sensitivity(1W@1m)	92dB	94dB
Maximum SPL (1W@1m)	118dB/124dB	124dB/130dB(PEAK)
Rated Impedance	8Ω	
Dispersion(HxV)	85°×85°	
Crossover Point:	1.6kHz	
Input	Spring clip	
Dimensions(WxDxH)	452 × 201 × 364 mm	556 × 253 × 455mm
Packaging Dimensions(WxDxH)	515 × 280 × 445mm	545 × 345 × 660mm
Net Weight	9.0kg	15.0kg
Gross Weight	11.0kg	17.6kg

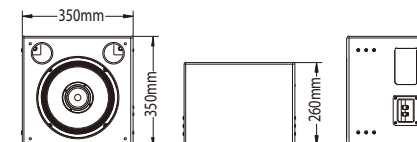
### DESCRIPTION

The Cinema Series loudspeaker is a surround two-way mid/high horn loudspeaker designed and engineered to meet the demanding requirements within digital cinema installations where high quality music and sound reproduction is essential.

### FEATURES

- 10" two-way full range speaker, consisting of 1x10"LF and 1x3" HF.
- Frequency range 75Hz - 16kHz (-3dB)
- 106dB High SPL, 95dB high sensitivity.
- Computer simulating design provide very good frequency response and phase feature.
- 4 x M6 on the back, 1 x M8 on each side.
- Applicable to sound reinforcement system of cinema roof.

### CABINET



### SPECIFICATIONS

Model	CSRIOT
Transducers	1 × 10"LF + 1 × 3"HF
Frequency Response(-3db)	75Hz-16kHz
Rated Power	100W
Sensitivity(1W@1m)	95dB
Maximum SPL (1W@1m)	100dB/106dB
Rated Impedance	8Ω
Dimensions(WxDxH)	350 × 350 × 260mm
Packaging Dimensions(WxDxH)	530 × 530 × 380mm
Net Weight	9.0kg
Gross Weight	11.0kg





CSR208A



CSR210A



CSR212A

# CSR208A/CSR210A/CSR212A

2-Way Full Range Cinema Speaker

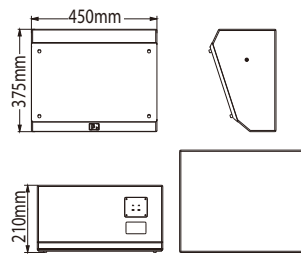
## DESCRIPTION

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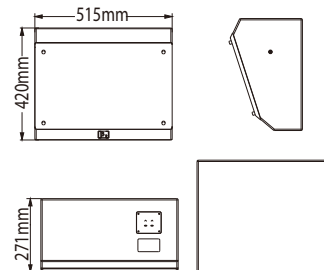
## FEATURES

- Two transducers two way full range.
- High SPL, high sensitivity.
- 8" big power woofer.
- One compression driver with 1" PEI diaphragm.
- Built-in electronic protection crossover.
- Computer simulating design provide very good frequency response and phase feature.
- Very convenient walling installation mode.
- Suitable for THX, DTS and other multi-channel surrounding sound reinforcement in cinema.
- Suitable for Mid/small cinema audio system.
- Can work with Beta Three high energy bass speaker when used for high quality music replaying

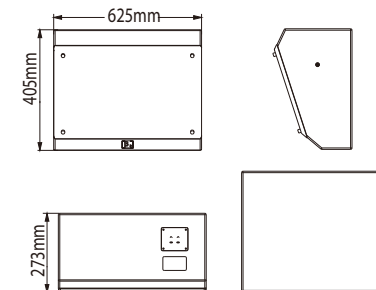
## CABINET



CSR208A



CSR210A



CSR212A

## SPECIFICATIONS

Model	CSR208A	CSR210A	CSR212A
Transducers	1x8"LF+1xΦ25mmHF	1x10"LF + 1xΦ25mmHF	1x12"LF + 1xΦ25mmHF
Frequency Response(-3db)	70Hz-18kHz	65Hz-20kHz	55Hz-20kHz
Rated Power	100W	200W	300W
Sensitivity(1W@1m)	93dB	95dB	94dB
Maximum SPL (1W@1m)	111dB/117dB	118dB/124dB	124dB
Rated Impedance	8Ω	8Ω	8Ω
Dispersion(HxV)	( 55-90 ) ° × 55°	( 55-100 ) ° × 55°	( 55-100 ) ° × 55°
Crossover Point:	2.5KHz	2KHz	2.2KHz
Dimensions(WxDxH)	450 × 375 × 210mm	515 × 271 × 420mm	625 × 273 × 405mm
Packaging Dimensions(WxDxH)	520 × 455 × 290mm	585 × 350 × 500mm	705 × 391 × 495mm
Net Weight	11.0kg	14.5kg	18.5kg
Gross Weight	13.0kg	17.5kg	23.0kg



# CSR220C/CSR221C/CSR230C

2-Way Full Range Cinema Speaker

## DESCRIPTION

The Cinema Series loudspeaker is a surround two-way mid/high horn loudspeaker designed and engineered to meet the demanding requirements within Digital Cinema installations where high quality music and vocal reproduction is essential.

## FEATURES

- Two transducers two way full range.
- Horizontal direction of the high pitch horn has the property of variable Angle radiation
- **CSR220C/CSR221C:** 1x10"LF + 1xΦ44mmHF
- **CSR230C:** 1x12"LF + 1xΦ44mmHF
- **CSR220C:** Suitable for more than 250 seats panoramic sound and DTS cinema
- **CSR221C/CSR223C:** Suitable for more than 350 seats panoramic sound and DTS cinema

## CABINET



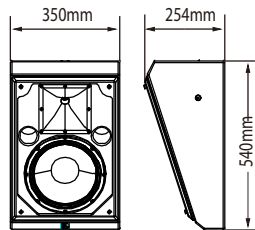
CSR220C



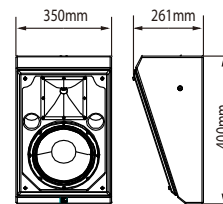
CSR221C



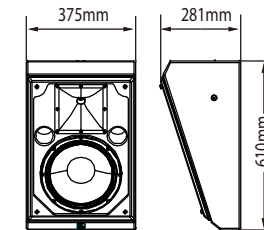
CSR230C



CSR220C



CSR221C



CSR230C

## SPECIFICATIONS

Model	CSR220C	CSR221C	CSR230C
Transducers	1x10"LF+1xΦ44mmHF	1x10"LF+1xΦ44mmHF	1x12"LF+1xΦ44mmHF
Frequency Response(-3db)	60Hz-20kHz	65Hz-20kHz	60Hz-20kHz
Rated Power	400W	200W	300W
Sensitivity(1W@1m)	97dB	94dB	99dB
Maximum SPL (1W@1m)	129dB	120dB	126dB/132dB
Rated Impedance	4Ω	4Ω	4Ω
Dispersion(HxV)	100° × 80°	100° × 100°	100° × 80°
Crossover Point:	2.2KHz	3.0KHz	2.5KHz
Dimensions(WxDxH)	350 × 254 × 540mm	350 × 261 × 400mm	375 × 281 × 610mm
Packaging Dimensions(WxDxH)	610 × 325 × 450mm	415 × 410 × 500mm	680 × 352 × 475mm
Net Weight	12.5kg	11.8kg	14.5kg
Gross Weight	14.2kg	13.1kg	16.5kg

# CA **SERIES**

professional cinema power amplifier









# CA2L/CA3L/CA4L

Professional Power Amplifier

## DESCRIPTION

CA series is the amplifier with big power and excellent performance. It can meet different audio avenues.

## FEATURES

- Big power,dynamic energy;
- Innovative heat sink structure and high quality heat sink fan assure reliable working for a long time;
- "loading impedance temperature-power-running voltage" can be controlled alternately, Speed of Fan is automatic adjusted by temperature. When load is too low or temperature is too high, the equipment can adjust the power supply and lower impedance of power, which improves sound quality and protect the equipment better. The reliability will be improved remarkably;
- Low distortion;
- High slew speed, outstanding sound quality and high transparent;
- Low noise:S/N>108dB(A Weight);
- 20Hz~20KHz <+0/-0.25 dB;wide frequency band;
- Small dimension, 2U rack mounting.



## SPECIFICATIONS

Model			CA2L	CA3L	CA4L
Frequency Response(-3db)			20Hz~20KHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)
THD			<0.05%(10%Rated power )	<0.05%(10%Rated power )	<0.05%(10%Rated power )
Rated Power	Stereo Mode	4Ω	330W	660W	950W
		2Ω	500W	1000W	1500W
	Bridged Mono Mode	8Ω	660W	1300W	1900W
		4Ω	1000W	2000W	3000W
Intermodulation Distortion			<0.1%(60Hz/7KHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )
Phase Difference			<±15°	<±15°	<±15°
Damping Factors			>800(8Ω/100Hz)	>800(8Ω/100Hz)	>800(8Ω/100Hz)
Segregation			>75dB	>75dB	>75dB
S/N			>108dB(A-Weight)	>108dB(A-Weight)	>108dB(A-Weight)
Total Gain			31.2±0.5dB	34.2±0.5dB	35.7±0.5dB
Difference of Channel Gain			<0.25dB	<0.25dB	<0.25dB
Input Sensitivity			1V	1V	1V
Slew Speed			>80V/μs	>80V/μs	>70V/μs
Input Impedance			Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ
Power Supply			AC 220V/50~60Hz,400VA	AC 220V/50~60Hz,900VA	AC 220V/50~60Hz,1500VA
Dimensions(WxDxH)			483×375×88mm	483×375×88mm	483×452×88mm
Packaging Dimensions(WxDxH)			535×455×150mm	535×455×150mm	550×540×175mm
Net Weight			12.5kg	15.0kg	30.0kg
Gross Weight			17.0kg	20.0kg	32.0kg

# CA3N/CA4N

Professional Power Amplifier

## DESCRIPTION

CA series is the amplifier with big power and excellent performance. It can meet different audio avenues.

## FEATURES

- Big power,dynamic energy;
- Innovative heat sink structure and high quality heat sink fan assure reliable working for a long time;
- "loading impedance temperature-power-running voltage" can be controlled alternately, Speed of Fan is automatic adjusted by temperature. When load is too low or temperature is too high, the equipment can adjust the power supply and lower impedance of power, which improves sound quality and protect the equipment better. The reliability will be improved remarkably;
- Low distortion;
- High slew speed, outstanding sound quality and high transparent;
- Low noise:S/N>108dB(A Weight);
- 20Hz~20KHz <+0/-0.25 dB;wide frequency band;
- Small dimension, 2U rack mounting.





## SPECIFICATIONS

Model			CA3N	CA4N
Frequency response(-3dB)			20Hz~20KHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)
THD			<0.05%(10%Rated power )	<0.05%(10%Rated power )
Rated Power	Stereo Mode	8Ω	660W	1000W
		4Ω	1000W	1600W
	Bridged Mono Mode	16Ω	1330W	2000W
		8Ω	2000W	3200W
Intermodulation Distortion			<0.1%(60Hz/7kHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )
Damping Factor			>800(8Ω/100Hz)	>800(8Ω/100Hz)
Segregation			>75dB	>75dB
S/N			>108dB(A-Weight)	>108dB(A-Weight)
Total Gain			37.3±0.5dB	39±0.5dB
Difference of Channel gain			<0.25dB	<0.25dB
Input Sensitivity			1V	1V
Slew Speed			>80V/μs	>100V/μs
Input Impedance			Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ
Power Supply			AC 220V/50~60Hz,1000VA	AC 220V/50~60Hz,1500VA
Dimensions(WxDxH)			483×375×88mm	483×452×88mm
Packaging Dimensions(WxDxH)			535×455×150mm	550×540×175mm
Net Weight			18.0kg	30.0kg
Gross Weight			20.0kg	32.0kg







# CH **SERIES**

professional cinema power amplifier



# CH660N/CH1330N/CH2000N

Professional Power Amplifier

## DESCRIPTION

CH series is the amplifier with big power and excellent performance. It can meet different audio avenues.

## FEATURES

- Big power,dynamic energy;
- Innovative heat sink structure and high quality heat sink fan assure reliable working for a long time;
- "loading impedance temperature-power-running voltage" can be controlled alternately, Speed of Fan is automatic adjusted by temperature. When load is too low or temperature is too high, the equipment can adjust the power supply and lower impedance of power, which improves sound quality and protect the equipment better. The reliability will be improved remarkably;
- Low distortion;
- High slew speed, outstanding sound quality and high transparent;
- Low noise:S/N>108dB(A Weight);
- 20Hz~20KHz <+0/-0.25 dB;wide frequency band;
- Small dimension, 2U rack mounting.





## SPECIFICATIONS

Model			CH660N	CH1330N	CH2000N
Frequency Response(-3db)			20Hz~20KHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)
THD			<0.05%(10%Rated power )	<0.05%(10%Rated power )	<0.05%(10%Rated power )
Rated Power	Stereo Mode	8Ω	330W	660W	1000W
		4Ω	500W	1000W	1600W
	Bridged Mono Mode	16Ω	660W	1300W	2000W
		8Ω	1000W	2000W	3200W
Intermodulation Distortion			<0.1%(60Hz/7KHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )
Damping Factor			>600(8Ω/100Hz)	>600(8Ω/100Hz)	>800(8Ω/100Hz)
Segregation			>108dB	>75dB	>75dB
S/N			>102dB(A-Weight)	>102dB(A-Weight)	>108dB(A-Weight)
Total Gain			34.0±0.5dB	37.3±0.5dB	35.7±0.5dB
Difference of Channel Gain			<0.25dB	<0.25dB	<0.25dB
Input Sensitivity			1V	1V	1V
Slew Speed			>40V/μs	>50V/μs	>60V/ μs
Input Impedance			Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ
Power Supply			AC 220V/50~60Hz,500VA	AC 220V/50~60Hz,1000VA	AC 220V/50~60Hz,1500VA
Dimensions(WxDxH)			483 × 375 × 88mm	483 × 375 × 88mm	483 × 452 × 88mm
Packaging Dimensions(WxDxH)			533 × 454 × 148mm	533 × 454 × 148mm	550 × 540 × 175mm
Net Weight			15.0kg	18.0kg	30.0kg
Gross Weight			17.0kg	20.0kg	32.0kg







# CH660L/CH1330L/CH2000L

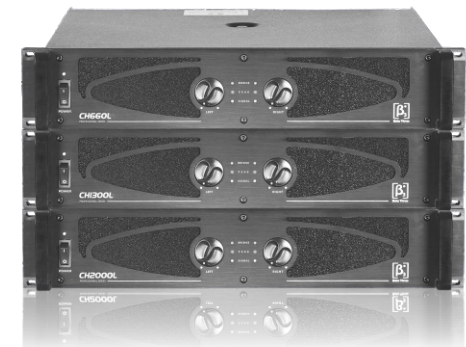
Professional Power Amplifier

## DESCRIPTION

CH series is the amplifier with big power and excellent performance. It can meet different audio avenues.

## FEATURES

- Big power,dynamic energy;
- Innovative heat sink structure and high quality heat sink fan assure reliable working for a long time;
- "loading impedance temperature-power-running voltage" can be controlled alternately, Speed of Fan is automatic adjusted by temperature. When load is too low or temperature is too high, the equipment can adjust the power supply and lower impedance of power, which improves sound quality and protect the equipment better. The reliability will be improved remarkably;
- Low distortion;
- High slew speed, outstanding sound quality and high transparent;
- Low noise:S/N>108dB(A Weight);
- 20Hz~20KHz <+0/-0.25 dB;wide frequency band;
- Small dimension, 2U rack mounting.



## SPECIFICATIONS

Model			CH660L	CH1330L	CH2000L
Frequency Response(-3db)			20Hz~20KHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)	20Hz~20kHz(+0/-0.25dB)
THD			<0.05%(10%Rated power )	<0.05%(10%Rated power )	<0.05%(10%Rated power )
Rated Power	Stereo Mode	4Ω	300W	550W	950W
		2Ω	400W	900W	1500W
	Bridged Mono Mode	8Ω	600W	1100W	1900W
		4Ω	800W	1800W	3000W
Intermodulation Distortion			<0.1%(60Hz/7KHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )	<0.1%(60Hz/7kHz,10%Rated power )
Damping Factor			>600(8Ω/100Hz)	>600(8Ω/100Hz)	>800(8Ω/100Hz)
Segregation			>108dB	>75dB	>75dB
S/N			>108dB(A-Weight)	>108dB(A-Weight)	>108dB(A-Weight)
Total Gain			31.2±0.5dB	34.2±0.5dB	35.7±0.5dB
Difference of Channel gain			<0.25dB	<0.25dB	<0.25dB
Input Sensitivity			1V	1V	1V
Slew Speed			>40V/μs	>50V/μs	>50V/μs
Input Impedance			Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ	Unbalanced input 10kΩ,Balanced input 20kΩ
Power Supply			AC 220V/50~60Hz,500VA	AC 220V/50~60Hz,1000VA	AC 220V/50~60Hz,1500VA
Dimensions(WxDxH)			483×375×88mm	483×375×88mm	483×452×88mm
Packaging Dimensions(WxDxH)			533×454×148mm	533×454×148mm	550×540×175mm
Net Weight			13.5kg	16.0kg	30.0kg
Gross Weight			15.5kg	18.0kg	32.0kg





**PX** **SERIES**

professional cinema electronics

# PXI28B/PX212B

professional sequence power distributor

## DESCRIPTION

Professional cinema power sequence distributor is a kind of professional power sequence distributor, it can allocate the main power input into eight to twelve power output, and can be connected and closed in time sequence of each power supply, so as to effectively reduce the impact on the system, especially suitable for large audio engineering use.

## FEATURES

- One main power input, eight or twelve controlled power output
- Built-in processor, turn on clockwise, turn off anti-clockwise, available for network connection, easy operation.
- LED indication for each channel turn on/off
- BYPASS switch and independent switch control for every channel, flexible usage
- Cute and solid shape



PXI28B



PX212B

## SPECIFICATIONS

Model	PXI28B	PX212B
Total Max. Output (RMS)	16KW	13KW
Per Channel Max. Output (RMS)	2KW	1.25KW
Sequence Delay Time	1s	1s
Parallel Connection	available	available
Bypass Function	available	available
Voltage	220V-240V~50/60Hz	220V-240V~50/60Hz
Dimensions(WxDxH)	484 × 44.5 × 222mm	484 × 89 × 225mm
Packaging Dimensions(WxDxH)	555 × 78 × 310mm	545 × 138 × 310mm
Net Weight	5.0kg	5.9kg
Gross Weight	6.0kg	6.96kg









**CSC** **SERIES**

professional cinema electronics



# CSC408A/CSX306A

professional sequence power distributor

## DESCRIPTION

The CSC Series are the 1U integrated professional digital cinema speaker management processor. This device are easily programmable to meet all professional digital cinema installation applications.



CSC408A

## FEATURES

### CSC408A

- 32bit high performance floating point DSP and 24bit 192K sampling rate AD/DA chip for better dynamic processing and high-fidelity restore capability
- Parametric EQ ( 5-band for input, 7-band for output)
- Maximum delay is 2.6s for each signal4-way balanced analog signal input, 8-way balanced analog signal output
- Crossover: Bessel/Butterworth 12/18/24/30/36dB per octave and Linkwitz-Riley 12/18/24dB per octave
- Both input mute and output mute available
- Store maximum 50 set of customized programs
- USB/RS485 connectors for cascade of multiple processors

### CSX306A

- 32bit high performance floating point DSP and 24bit 192K sampling rate AD/DA chip for better dynamic processing and high-fidelity restore capability
- Maximum delay is 500ms for each signal3-way balanced analog signal input, 6-way balanced analog signal output
- Crossover: Bessel/Butterworth 12/18/24/30/36dB per octave and Linkwitz-Riley 12/18/24dB per octave
- Both input mute and output mute available
- Store maximum 50 set of customized programs
- USB connectors for cascade of multiple processors

## SPECIFICATIONS

Model	CSC408A	CSX306A
Frequency Response	20Hz ~ 20KHz, $\pm 0.5\text{dB}$	20Hz ~ 20KHz, $\pm 0.5\text{dB}$
SNR	110dB	110dB
THD	<0.006%	<0.006%
Input Connector	4-Way,XLR-3	3-Way,XLR-3
Output Connector	8-Way Phoenix	6-Way Phoenix
Input Impedance	>10k $\Omega$	>10k $\Omega$
Maximum Input	+20dBu	+20dBu
A/D Transverter	>64kHz	>64kHz
Output Impedance	<47 $\Omega$	<47 $\Omega$
Power Supply	AC 200V~240V/50-60Hz	AC 200V~240V/50-60Hz
Dimensions(WxDxH)	482 × 228 × 45mm	482 × 228 × 45mm
Packaging Dimensions(WxDxH)	515 × 335 × 53mm	532 × 326 × 50mm
Net Weight	5.7kg	5.7kg
Gross Weight	6.5.0kg	6.5.0kg

**CP** **SERIES**

professional cinema electronics



## DESCRIPTION

Dolby Atmos provides a unique approach to cinema audio, giving filmmakers unprecedented power and freedom to realize their creative visions. In your cinema, Dolby Atmos gives audiences moving audio that flows all around them, a natural and enveloping sound experience that fully reflects the original artistic concept.

## FEATURES

- Plan Review Service
- Dolby Atmos marketing support
- Full Dolby Atmos rendering
- Dolby Surround 7.1 and 5.1 playback
- Dolby codec support for alternative content (Dolby TrueHD, Dolby Digital Plus, Dolby Digital, and Dolby E upmixing of non-digital cinema package content)
- 16 channels of DCI PCM audio input
- Support for 64 speaker feeds, configurable between 16 analog outputs and a Dolby Atmos Connect output
- Flexible I/O for a wide variety of content sources (16-channel AES, S/PDIF, optical, stereo analog, public announcement microphone)
- Dolby Show Manager integration and web service APIs to easily integrate with TMS and NOC systems
- Simplified installation, maintenance, and day-to-day operation of cinema sound systems for exhibitors
- Sophisticated EQ processing to improve cinema audio playback





## SPECIFICATIONS

Model	CP850
Input voltage	100-240 VAC; 50-60Hz
Power consumption	140 watts
Average BTU/hour	480
Operating	0°C–40°C (32°F–104°F)
Humidity	20%–80% relative humidity (noncondensing)
Dimensions(WxDxH)	452 x 441 x 89mm
Packaging Dimensions(WxDxH)	813 x 610mm x 255mm

# CSP SERIES

professional digital cinema processor



# CSP850A/CSP910A/CSP930A

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## DESCRIPTION

The Digital Cinema Processor CSP Series provides easy-to-operate audio control in digital cinema environments while integrating seamlessly with existing technologies. Supports 5.1 as well as Dolby Surround 7.1 premium surround sound, and it can receive and process audio from multiple digital audio sources, including a digital cinema server, preshow servers, and alternative content sources. Is ready for use by a network operations center (NOC) and can be monitored and controlled from anywhere on the network for status and function.

## FEATURES

- 8-channel AES input
- Background music input and AD machine input
- All inputs can be independently adjusted
- Noise and sine generators
- Each channel has a 1/3 octave equalizer
- Front standard USB square port input, convenient debugging
- Standard Ethernet cinema management software TMS interface
- Switching power, self - restoring fuse
- The power consumption of the machine is about 15W, with less heat and more reliable
- User-friendly debugging software



## SPECIFICATIONS

Model	CSP850A	CSP910A	CSP930A
Frequency Response	20Hz~20KHz	20Hz~20KHz	20Hz~20KHz
THD	<0.01%	<0.01%	<0.01%
Aes Input Impedance	110Ω	110Ω	110Ω
Spdif Input Impedance	75Ω	75Ω	75Ω
Digital Input Interface	DB25, RCA, OPTICAL	DB25, RCA	DB25, RCA, OPTICAL
Analog Input (except Microphone) Level	-10dBv, 10dBv	-10dBv, 10dBv	/
Analog Input Impedance	47kΩ	/	/
Analog Input Interface	DB25, RCA, 6.35JACK	/	/
Outgoing Level	6Vrms	6Vrms	6Vrms
Analog Output Interface	DB25	DB25	DB25
Power Supply	AC 170-240V,50-60Hz,15W	AC 170-240V,50-60Hz,15W	AC 170-240V,50-60Hz,15W
Dimensions(WxDxH)	483 × 375 × 88mm	483 × 375 × 88mm	483 × 375 × 88mm
Packaging Dimensions(WxDxH)	535 × 455 × 148mm	535 × 455 × 148mm	535 × 455 × 148mm
Net Weight	6.0kg	6.0kg	3.0kg
Gross Weight	7.0kg	7.0kg	3.5kg





**TH** **SERIES**

professional theatre system









# TH115L/TH118L/TH218L professional theatre system

## DESCRIPTION

The TH is designed for permanent installation within medium to large Theatre venue sound reinforcement system applications, the outstanding mid/high performance ensures clean, clear and natural sound throughout the listening environment, even at high SPL.

## FEATURES

- High Sensitivity LF passive speaker
- High strength cabinet structure
- Powder coated grill
- Computer aided design to optimize frequency and phase response
- Suitable for use as a main system with TH306/64 or TH306/96
- Durable Polyurethane textured base paint
- Suitable for theatre ,television studio, multi-functional hall and performance arts hall.



TH115L

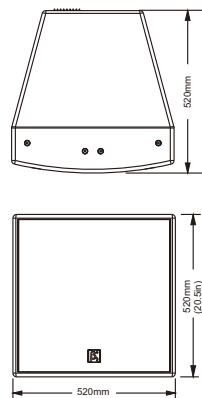


TH118L

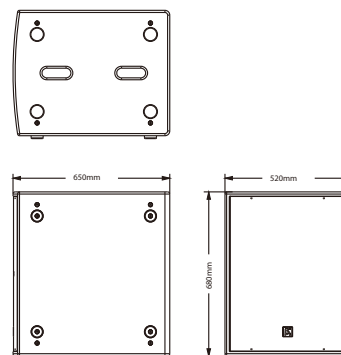


TH218L

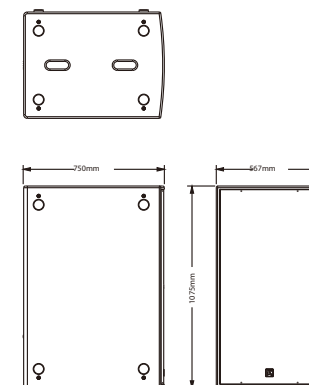
## CABINET



TH115L



TH118L



TH218L





## SPECIFICATIONS

Model	TH115L	TH118L	TH218L
Transducers	1x15" LF	1x18" LF	2x18" LF
Frequency Response (-3dB)	65Hz-1kHz	40Hz-1kHz	38Hz-1kHz
Sensitivity(1W@1m)	97dB	101dB	103dB
Maximum SPL(1m)	117dB/123dB(Peak)	122dB/128dB(Peak)	134dB/140dB(Peak)
Rated Power	450W (RMS)	600W (RMS)	1200W (RMS)
Rated Impedance	8 Ohms	8 Ohms	8 Ohms
Connector	1 × NL4+Screw terminal	1 × NL4+Screw terminal	1 × NL4+Screw terminal
Dimensions(WxDxH)	520 × 520 × 520mm	520 × 650 × 680mm	567 × 750 × 1075mm
Packaging Dimensions(WxDxH)	630 × 630 × 640mm	790 × 760 × 640mm	1185 × 860 × 685mm
Net Weight	24.5kg	41.5kg	74.0kg
Gross Weight	36.5kg	46.0kg	80.0kg





# TH215/64/96

2-Way Full Range Speaker

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## DESCRIPTION

TH series is designed for permanent installation within medium to large theatre venue sound reinforcement system applications, the outstanding mid/high performance ensures clean, clear and natural sound throughout the listening environment, even at high SPL.

## FEATURES

- High SPL and high sensitivity low frequency system
- 1x15" high power subwoofer
- High strength cabinet structure
- Suitable for use as a main system with TH306/64 or TH306/93
- Computer aided design to optimize frequency and phase response
- Powder coated grill
- Durable polyurethane textured base paint
- Suitable for theatre ,television studio, multi-functional room and performance studio



## SPECIFICATIONS

Model	TH2I5/64/96	
Transducers	1x15" LF+1x44mm HF	
Frequency Response (-3dB)	40Hz-19kHz	
Sensitivity(1W@1m)	Passive: 98dB, Bi-amp: LF 97dB ,HF 107dB	
Maximum SPL(1m)	Passive: 116dB/122dB (Peak), Bi-amp: MF 116dB/122dB (Peak), HF 114dB/120dB (Peak)	
Rated Power	Passive: 350W (RMS), 700W(Program), 1400W(Peak), Bi-amp: LF 350W (RMS)HF 60W (RMS)	
Rated Impedance	Passive: 8Ω, Bi-amp: LF 8Ω, HF 8Ω	
Crossover Point	1.5kHz-2.5kHz	
Installation	19x M10 Steel Mounting Point	
Dispersion(H×V)	TH306H/64	60°X 40°
	TH306H/96	90°X 60°
Connector	1x NL8, 8 Screw terminal	
Dimensions(WxDxH)	440x470x680mm	
Packaging Dimensions(WxDxH)	580x550x800mm	
Net Weight	28.0kg	
Gross Weight	31.5kg	



# TH306H/64/94

6" 2-Way full Range Speaker

---

## DESCRIPTION

TH series is designed for permanent installation within medium to large theatre venue sound reinforcement system applications, the outstanding mid/high performance ensures clean, clear and natural sound throughout the listening environment, even at high SPL.

## FEATURES

- High SPL and high sensitivity two way mid/high system
- 1x6"MF 1x1.75"HF compressed driver
- High strength cabinet structure
- Suitable for use as a main system with TH115L or TH118L
- Computer aided design to optimize frequency and phase response
- Powder coated grill
- Durable Polyurethane textured base paint
- Suitable for theatre ,television studio, multi-functional room and performance studio



## SPECIFICATIONS

Model		TH306H/64/94
Transducers		1x1.75"HF+1x6"MF
Frequency Response (-3dB)		280Hz-20kHz
Sensitivity(1W@1m)		Passive: 106dB (TH306H/64), 106dB (TH306H/94) , Bi-amp: MF 106dB, HF 112dB
Maximum SPL(1m)		Passive: 126dB/132dB (Peak), Bi-amp: MF 126dB/132dB (Peak), HF 126dB/132dB (Peak)
Rated Power		Passive: 100W (RMS), 200W(Program), 400W(Peak) , Bi-amp: MF 100W (RMS), HF 60W (RMS)
Rated Impedance		Passive: 8Ω, Bi-amp: MF 8Ω, HF 8Ω
Crossover point		2kHz-2.5kHz
Installation		24x M10 Steel Mounting Point
Dispersion(HxV)	TH306H/64	60°X 40°
	TH306H/94	90°X 40°
Connector		1x NL8, 8 Screw terminal
Dimensions(WxDxH)		520mm x 520mm x 520mm
Packaging Dimensions(WxDxH)		630mm x 630mm x 640mm
Net Weight		25.0kg
Gross Weight		37.0kg

# TH315/64

15" 3-Way Full Range Speaker

---

## DESCRIPTION

TH series is designed for permanent installation within medium to large theatre venue sound reinforcement system applications, the outstanding mid/high performance ensures clean, clear and natural sound throughout the listening environment, even at high SPL.

## FEATURES

- High SPL and high sensitivity three way full range system
- 1x6"MF 1x1.75"HF compressed driver,1X15"LF
- High strength cabinet structure
- Powder coated grill
- Computer aided design to optimize frequency and phase response
- Durable Polyurethane textured bas paint
- suitable for theatre ,television studio, multi-functional room and performance studio



## SPECIFICATIONS

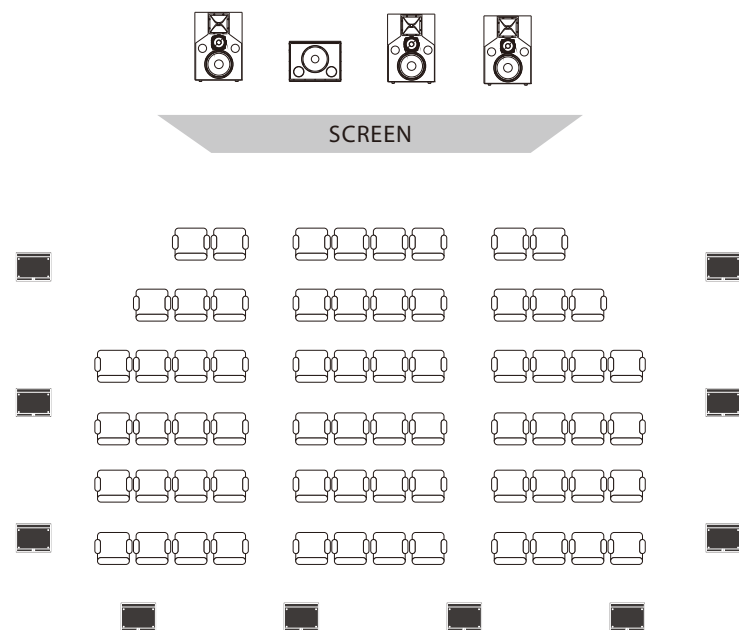
Model	TH315/64
Transducers	1x15"LF+1x6"MF+1x1.75"HF
Frequency Response (-3dB)	LF 60Hz-800Hz, MF/HF 280Hz-20kHz
Sensitivity(1W@1m)	Bi-amp: LF 100dB, MF/HF 108dB, Tri-amp: LF 100dB, MF 108dB, HF 110dB
Maximum SPL(1m)	Bi-amp: LF 124dB/130dB ,MF/HF 122dB/128dB , Tri-amp: LF 124dB/130dB ,MF 126dB/132dB ,HF 128dB/134dB
Rated Power	LF 400W (RMS), MF 120W (RMS), HF 50W (RMS)
Rated Impedance	Bi-amp: LF 8Ω, MF/HF 8Ω, Tri-amp: LF 8Ω,MF 8Ω,HF 8Ω
Installation	12x M10
Dispersion(HxV)	60°X 40°
Connector	1x NL8, 8 Screw terminal
Dimensions(WxDxH)	520mm x 520mm x 980mm
Packaging Dimensions(WxDxH)	630mm x 630mm x 1080mm
Net Weight	49.5kg
Gross Weight	53.5kg

**CINEMA SOUND SYSTEM**





# SMALL-SIZED HALL ECONOMICAL DIGITAL CINEMA STEREO AUDIO SYSTEM



## EQUIPMENT ROOM

### Signal Processor



### Sequency Power



### Amplifier



x3

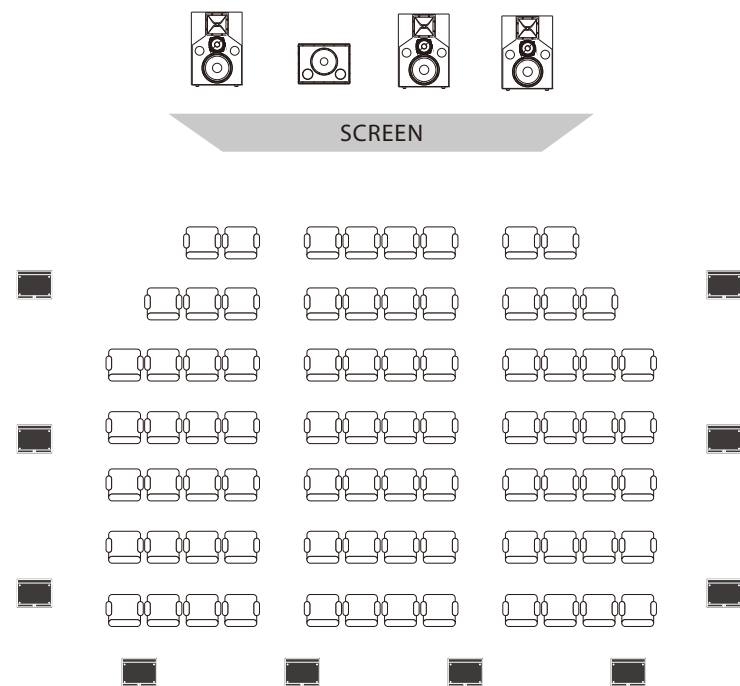
### Monitor Speaker



- © This system is suitable for small Economical digital cinema hall with a length and width of about 12m\*17m and seats less than 70 .
- © The maximum audio output power of the system is 5.3kw, and 220V single-phase ac power need no less than 6KW.

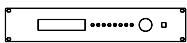
Signal Processor	CSP910A	1 pcs
Main Speaker	CS1312A	3 pcs
Subwoofer Speaker	CSB118A	1 pcs
Surround Speaker	CSR208A	10 pcs
Amplifier	CA3N CA2L	3 pcs
Monitor	Ra5	1 pcs
Sequency Power	PX128B	1 pcs

# SMALL-SIZED HALL-A GENERAL PURPOSE DIGITAL CINEMA STEREO SOUND SYSTEM

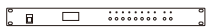


## EQUIPMENT ROOM

Signal Processor



Sequency Power



Amplifier



x5

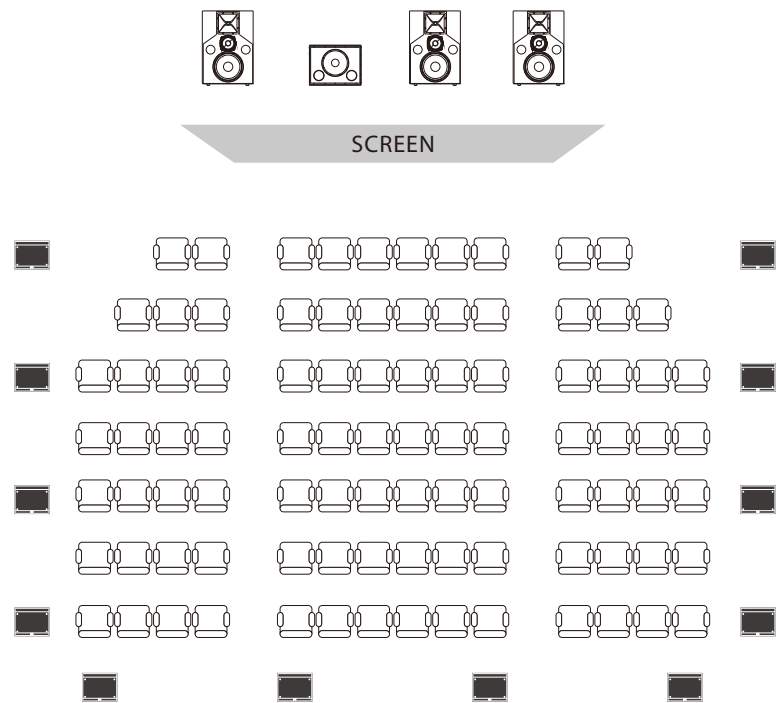
Monitor Speaker



- ◎ This system is Suitable for a small general purpose hall with a length under 13M and seats about 80.
- ◎ All the technical parameter can meet the requirements of the specification.  
The single 15-inch main loudspeaker of the three-way single power amplifier is excellent in voice timbre expression and have enough high power capacity.
- ◎ The maximum audio power of the system is 7KW, and 220V single-phase ac power need no less than 9KW.

Signal Processor	CSP910A	1pcs
Main Speaker	CS1315A	3pcs
Subwoofer Speaker	CSB118A	1pcs
Surround Speaker	CSR208A	10pcs
Amplifier	CA3N CA3L CA2L	5pcs
Monitor	Ra5	1pcs
Sequency Power	PX128B	1pcs

# SMALL-SIZED HALL LUXURY DIGITAL CINEMA STEREO AUDIO SYSTEM



- ◎ This system is Suitable for a small-sized luxury hall with a length under 15M and seats about 110.
- ◎ All the technical parameter can meet the requirements of the specification. The single 15-inch main loudspeaker of the three-way dual power amplifier is excellent in voice timbre expression and have enough high power capacity.
- ◎ The maximum audio power of the system is 7KW, and 220V single-phase ac power need no less than 9KW.

## EQUIPMENT ROOM

Signal Processor



Sequency Power



Amplifier



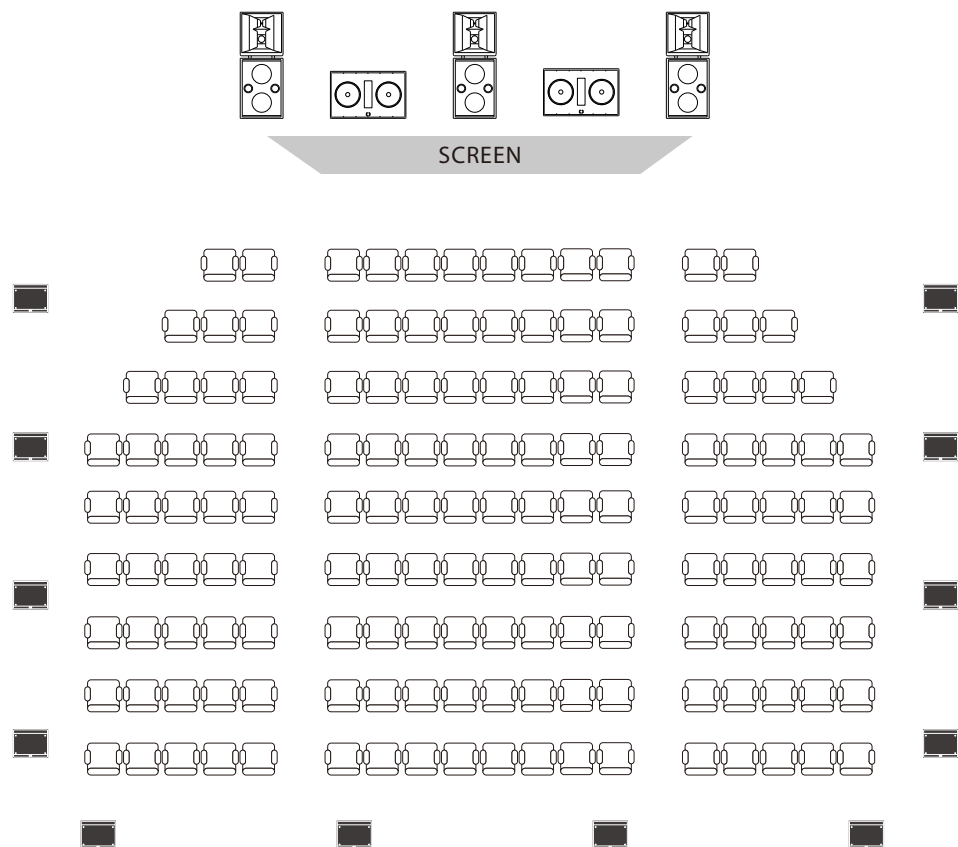
x6

Monitor Speaker



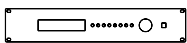
Signal Processor	CSP930A	1 pcs
Main Speaker	CS1315A	3 pcs
Subwoofer Speaker	CSB118A	1 pcs
Surround Speaker	CSR208A	12 pcs
Amplifier	CA2N CA2L CA3N CA3L	6 pcs
Monitor	Ra5	1 pcs
Sequency Power	PX128B	1 pcs

# MEDIUM-SIZED HALL A GENERAL PURPOSE CINEMA STEREO AUDIO SYSTEM



## EQUIPMENT ROOM

### Signal Processor



### Sequency Power



### Amplifier



x6

### Monitor Speaker

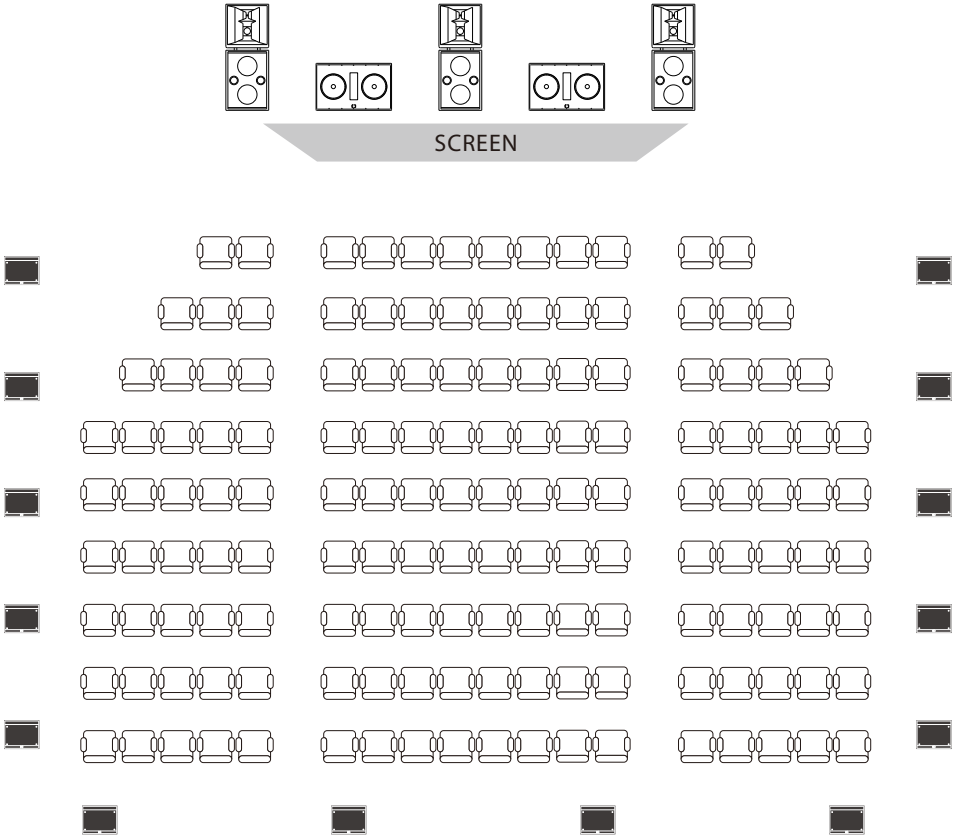


- ◎ This system is Suitable for a small general purpose hall with a length under 20M and seats about 180.
- ◎ The dual 15" main loudspeaker (12") of the three way dual power amplifier is excellent in voice and power. The dual 18" sub-woofer and large surround speaker make this system with enough high power capacity.
- ◎ The maximum audio power of the system is 11.5KW, and 220V single-phase ac power need no less than 13KW.

Signal Processor	CSP930A	1pcs
Main Speaker	CS3412A	3pcs
Subwoofer Speaker	CSB218A	2pcs
Surround Speaker	CSR210A	12pcs
Amplifier	CA3N CA3L CA4N	6pcs
Monitor	Ra5	1pcs
Sequency Power	PX128B	1pcs



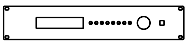
# MEDIUM-SIZED LUXURY HALL DIGITAL CINEMA STEREO AUDIO SYSTEM



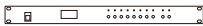
- © This system is Suitable for the medium-sized luxury hall under 24M and seats about 160~220.
- © The dual 15" main loudspeaker of the three-way dual amplifier have more excellent voice and power .
- © The maximum audio power of the system is 13KW, and 220V single-phase ac power need no less than 15KW.

## EQUIPMENT ROOM

Signal Processor



Sequency Power



Amplifier



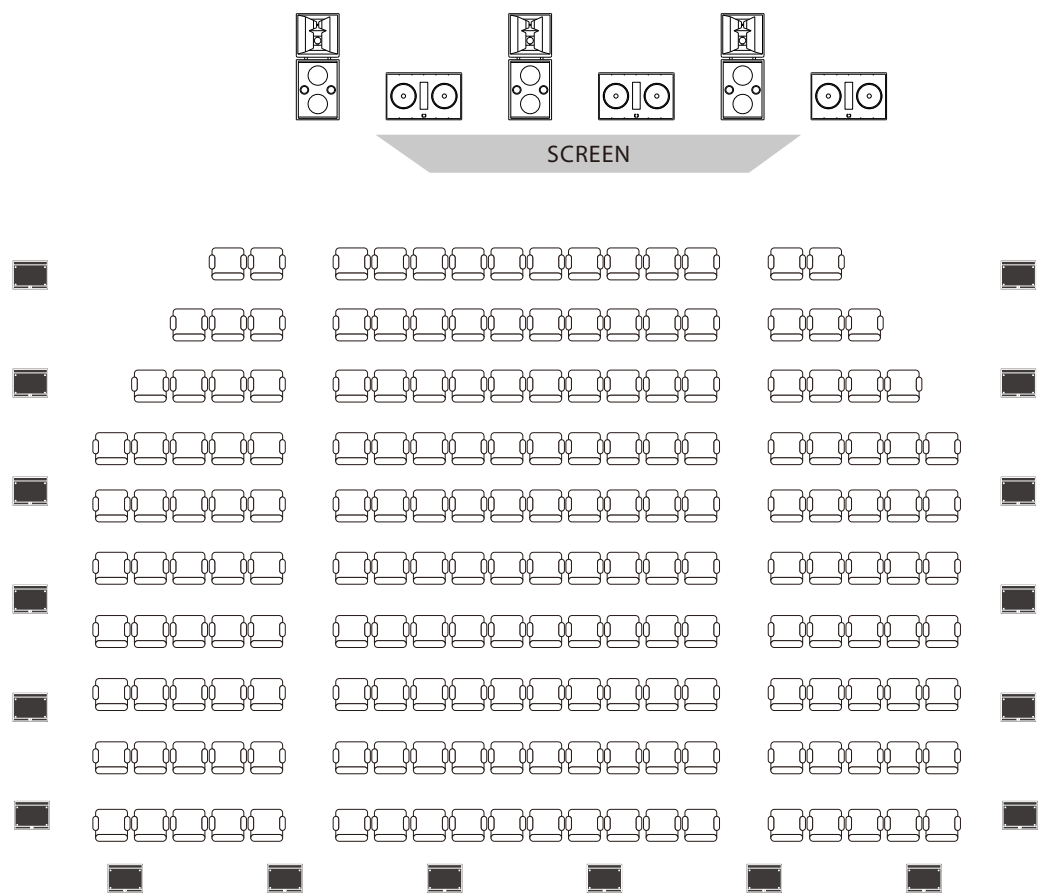
x7

Monitor Speaker



Signal Processor	CSP930A	1pcs
Main Speaker	CS3415A	3pcs
Subwoofer Speaker	CSB218A	2pcs
Surround Speaker	CSR210A	12pcs~14pcs
Amplifier	CA4N CA3L CA3N	7pcs
Monitor	Ra5	1pcs
Sequency Power	PX212	1pcs

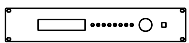
# LARGE-SIZED UNIVERSAL DIGITAL CINEMA STEREO AUDIO SYSTEM



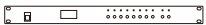
- ◎ This system is suitable for the large-sized universal hall under 28M, about 250~280 seats.
- ◎ The dual 15" main loudspeaker of the three way dual power amplifier is excellent in voice and power.
- ◎ The maximum audio power of the system is 14.5KW, and 220V single-phase ac power need no less than 17KW.

## EQUIPMENT ROOM

### Signal Processor



### Sequence Power



### Amplifier



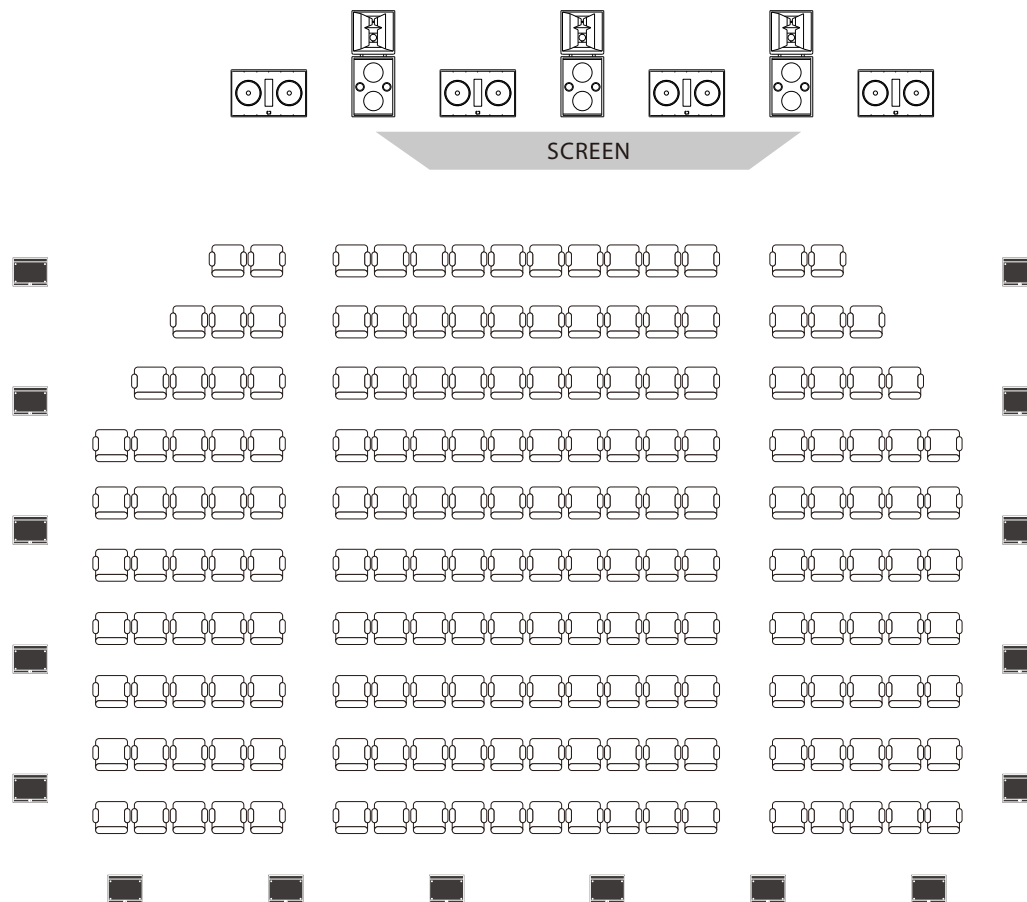
x9

### Monitor Speaker



Signal Processor	CSP930A	1pcs
Main Speaker	CS3415A	3pcs
Subwoofer Speaker	CSB218A	3pcs
Surround Speaker	CSR210A	14pcs~16pcs
Amplifier	CA3N CA3L CA4N	8pcs~9pcs
Monitor	Ra5	1pcs
Sequence Power	PX212	1pcs

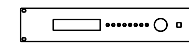
# GIANT SCREEN HALL DIGITAL CINEMA AUDIO SYSTEM



- ◎ This system is suitable for the giant screen hall with a length under 30M and seats about 400.
- ◎ The four 15" main loudspeaker of four way three channel amplifiers is excellent in voice timbre expression and enough high power capacity. CS4418A can also be used for the three main loudspeakers on the left, center and right, and can be driven by three CA4N amplifiers.
- ◎ The maximum audio power of the system is 25KW, and 220V single-phase ac power need no less than 28KW.

## EQUIPMENT ROOM

### Signal Processor



### Amplifier



### Sequence Power

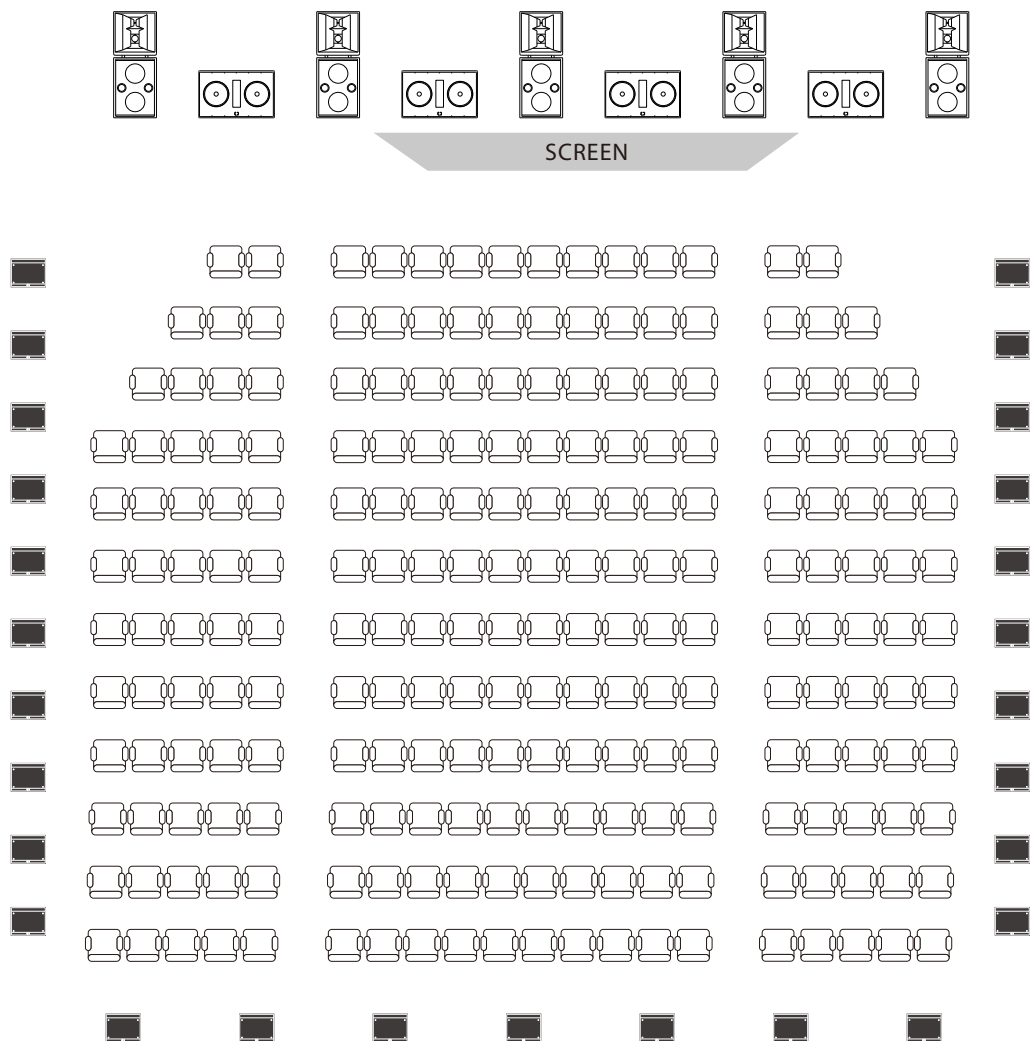


### Monitor Speaker



Signal Processor	CSP930A	1 pcs
Main Speaker	CS4615A	3 pcs
Subwoofer Speaker	CSB218A	4 pcs
Surround Speaker	CSR4415C	11 pcs
Amplifier	CA3N CA3L CA4N	1 pcs
Frequency divider	CSC408A	1 pcs
Monitor	Ra5	1 pcs
Sequence Power	PX128	2 pcs

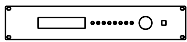
# UNIVERSAL PANORAMIC SOUND DIGITAL CINEMA AUDIO SYSTEM



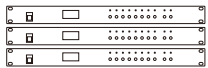
- © The power amplifier CH1330N of each environmental sound channel can be changed to four-channel digital amplifier CC4.05, and the number of sets can be halved
- © The maximum audio power of the system is 45KW, and 220V single-phase ac power need no less than 50KW.

## EQUIPMENT ROOM

### Signal Processor



### Sequency Power



### Amplifier



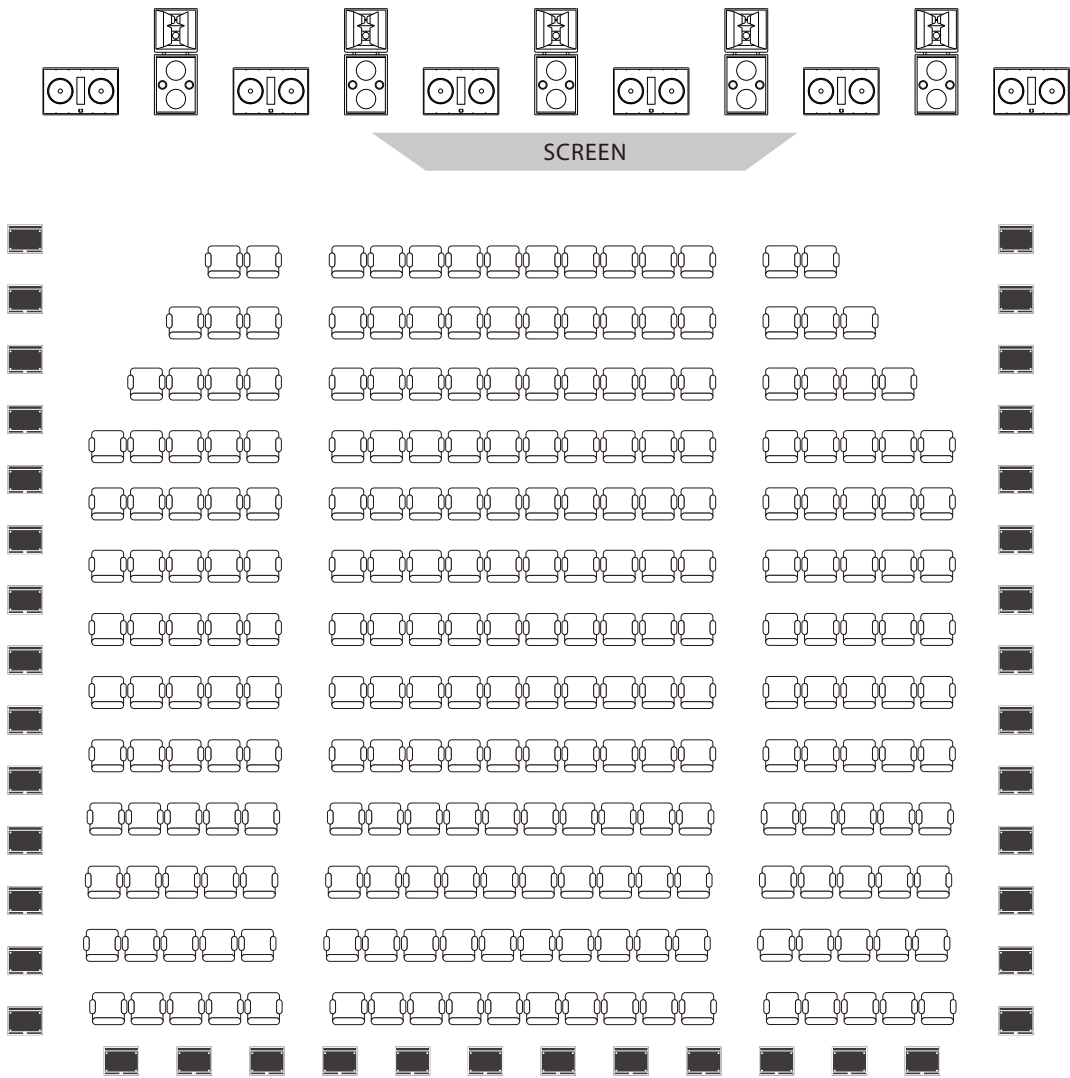
x27

### Monitor Speaker



Signal Processor	CSP850	1 pcs
Main Speaker	CS3415A	5pcs
Subwoofer Speaker	CSB218A	4pcs
Surround Speaker	CSR220C	34pcs~38pcs
Bass surround speaker	CSR218C or CSB218A	2pcs
Amplifier	CA3N CA3L CH1330N	27pcs
Monitor	Ra5	1pcs
Sequency Power	PX212	3pcs

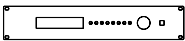
# LUXURY PANORAMIC SOUND DIGITAL CINEMA AUDIO SYSTEM



- © The power amplifier CH1330N of each environmental sound channel can be changed to four-channel digital amplifier CC4.05, and the number of sets can be halved
- © The maximum audio power of the system is 48.6KW, and 220V single-phase ac power need no less than 56KW.

## EQUIPMENT ROOM

### Signal Processor



### Amplifier



x32

### Sequency Power



### Monitor Speaker



Signal Processor	CSP850	1 pcs
Digital speaker controller	CS3415A	2 pcs
Main Speaker	CS3415A	5 pcs
Subwoofer Speaker	CSB218A	6 pcs
Surround Speaker	CSR220C	40 pcs
Bass surround speaker	CSR218C or CSB218A	2 pcs
Amplifier	CA3N CA3L CH1330N	32 pcs
Monitor	Ra5	1 pcs
Sequency Power	PX212	3 pcs



