AMBIANCE CINEMA

The ***Lightning View Aurora*** are MicroLed 4K DCI-HDR/HFR from 178'' to 267'' Direct View Screens, able to play Commercial DCPs in residential, yachting, hospitality, and corporate environments.
The embedded ***Lightning View Core*** is a GDC SR-5520 Server with touchscreen UX & remote control.

Specifications :

- 4096x2160 (4K) flat DCI, pitch 0.97mm, 1.22mm, 1.46mm

- Frame rate in 2D: 24, 25, 30, 48, 50, 60, 96, 120 fps

- Frame rate in 3D: 24, 25, 30, 48, 50, 60 fps per eye

- DCI-P3 XYZ' color gamut, 281 billions colors

- Gray scale linearity RGB 48 bits, contrast >= 60.000:1

- DCI luminance 48 nits (SDR), 150 nits, 300 nits (HDR)

- GDC SR-5520 HDR-capable Server with 2/4TB CineCache

- HDMI 2.1 input for content source in 4K up to 120 fps

- Sizes (cm) 400 W x 211 H, 500 W x 264 H, 600 W x 316 H

- Weight (Kg) 4m:240 Kg, 5m:363 Kg, 6m:520 Kg

- 100-240Vac, Power in SDR: 4m:520W, 5m:1200W, 6m:1530W

- Power in HDR full white: 4m:1920W, 5m:2375W, 6m:3300W

- Screen depth: 46mm, except main cabinet with GDC: 166mm

- High quality alu. frame, **front service access for all modules**

- Operating lifetime: 100 000 hours (11 years in 24x24-7x7)

- Warranty base 3 years, extension to 4, 5, 6, 7, 8, 9, 10 years

- 3% of free spare parts included with calibrated modules

- CTP 1.4, CE, CCC, ETL, EMC Class A, IEC 62368-1, PSE

Available in DCI Day&Date Experiential Pack with DCP Library at Bel Air Cinema (www.belaircinema.com)

www.ambiancecinema.com - sales@ambiancecinema.com

Physical	Cabinet	Screen (16 cabinets)	Remarks
Size (W x H)	1,000 x 526.5 mm	4,000 x 2,106 mm	4 x 4
Pixel Pitch	0.97 mm	0.97 mm	250 x 175.5 mm (Module Size)
Resolution (W x H)	1024 x 540 Pixel	4,096 x 2,160 Pixel	256 x 180 Pixel
Screen Resolution (W x H)		4,096 x 2,160 Pixel	4K Movie Format
Scope 2.39:1		4,096 x 1,716 Pixel	Display area : 4,000 x 2,091mm
Flat 1.85:1		3,996 x 2,160 Pixel	Display area : 3,902 x 2,106mm
Weight	14.5 kg	232 kg	Support frame not included
Cabinet Construction	Aluminum Casting	Installation by Wall mounted/floor mounted/hoisting	

Electrical	Per Cabinet	Whole LED Screen	Remarks
Input Power	100~240V AC, 50/60 Hz	100~240V AC, 50/60 Hz	
Standby Power Consumption(W)	48	768	full black
Peak Power Consumption(W)	98	1,568	at 300nit /88FL with full white image
Average Consumption at High Brightness(W)	82	1,312	at 300nit/88fL with video image (3D 14fL)
Average Consumption at Mid Brightness(W)	58	928	at 150nit(45fL) with video image 150 nit
Average Consumption at Low Brightness(W)	50	800	at 48nit/14fL with video image
Peak Heat Generation(BTU per hour)	335	5,280	at 300nit /88FL with full white image
Average Heat Generation(BTU per hour)	280	4,487	at 300nit/88fL with video image (3D 14fL)

| Physical	Cabinet	Screen (25 cabinets)	Remarks
Size (W x H)	1,000 x 526.5 mm	5,000 x 2,632.5 mm	5 x 5
Pixel Pitch	1.22 mm	1.22 mm	250 x 175.5 mm (Module Size)
Resolution (W x H)	820 x 432 Pixel	4,100 x 2,160 Pixel	205 x 144 Pixel
Screen Resolution (W x H)		4,096 x 2,160 Pixel	4K Movie Format
Scope 2.39:1		4,096 x 1,716 Pixel	Display area : 4,995 x 2,091mm
Flat 1.85:1		3,996 x 2,160 Pixel	Display area : 4,873 x 2,632mm
Weight	14.5 kg	362.5 kg	Support frame not included
Cabinet Construction	Aluminum Casting	Installation by Wall mounted/floor mounted/hoisting	

Electrical	Per Cabinet	Whole LED Screen	Remarks
Input Power	100~240V AC, 50/60 Hz	100~240V AC, 50/60 Hz	
Standby Power Consumption(W)	46	1,140	full black
Peak Power Consumption(W)	95	2,383	at 300nit /88FL with full white image
Average Consumption at High Brightness(W)	76	1,890	at 300nit/88fL with video image (3D 14fL)
Average Consumption at Mid Brightness(W)	56	1,400	at 150nit(45fL) with video image 150 nit
Average Consumption at Low Brightness(W)	48	1,190	at 48nit/14fL with video image
Peak Heat Generation(BTU per hour)	330	8,250	at 300nit /88FL with full white image
Average Heat Generation(BTU per hour)	259	6,464	at 300nit/88fL with video image (3D 14fL)

Physical	Cabinet	Screen (36 cabinets)	Remarks
Size (W x H)	1,000 x 526.5mm	6,000 x 3,153mm	6 x 6
Pixel Pitch	1.46 mm	1.46 mm	250 x 175.5 mm (Module Size)
Resolution (W x H)	648 x 360 Pixel	4,104 x 2,160 Pixel	171 x 120 Pixel
Screen Resolution (W x H)		4,096 x 2,160 Pixel	4K Movie Format
Scope 2.39:1		4,096 x 1,716 Pixel	Display area : 5,988m x 2,508mm
Flat 1.85:1		3,996 x 2,160 Pixel	Display area : 5,842 x 3,158mm
Weight	14.5 kg	522 kg	Support frame not included
Cabinet Construction	Aluminum Casting	Installation by Wall mounted/floor mounted/hoisting	

Electrical	Per Cabinet	Whole LED Screen	Remarks
Input Power	100~240V AC, 50/60 Hz	100~240V AC, 50/60 Hz	
Standby Power Consumption(W)	40.0	1,440	full black
Peak Power Consumption(W)	96.8	3,485	at 300nit /88FL with full white image
Average Consumption at High Brightness(W)	62.5	2,250	at 300nit/88fL with video image (3D 14fL)
Average Consumption at Mid Brightness(W)	51.5	1,854	at 150nit(45fL) with video image 150 nit
Average Consumption at Low Brightness(W)	42.5	1,530	at 48nit/14fL with video image
Peak Heat Generation(BTU per hour)	330.0	11,880	at 300nit /88FL with full white image
Average Heat Generation(BTU per hour)	213.8	7,695	at 300nit/88fL with video image (3D 14fL)

Lightning View Aurora & Obsidian are supporting both DCI-SDR 48 nits and also DCI-HDR 300 nits

Optical	LED Cinema System	Remarks
Normal Brightness	2D: 14 fL (48 nit)	
Recommanded Brightness	2D: 45 fL (150 nit)	
Maximum Brightness	2D: 87.56 fL (300 nit) / 3D: 14 fL (48 nit)	3D:14fL (48 nit) is brightness after glasses
Contrast Ratio	60000 : 1	
Viewing Angle- horizontal	160°	
Viewing Angle- vertical	160°	
Color	281,000,000,000,000	
Grayscale	R，G，B 16 bits	
Color Gamut	DCI-P3	
3D Glasses	bundled with Active 3D Glasses & 3D Sync System	

Video	Video system	Remarks
Refresh Rate	1,500 Hz to 9,300 Hz	Automatically adapts
2K2D Support Frame Rate	24,25,30,48,50,60,96,120 fps	
2K3D Support Frame Rate	24,25,30,48,50,60 fps	
4K2D Support Frame Rate	24,25,30,48,50,60,96fps	GDC SR-5520 Integrated Server
4K3D Support Frame Rate	24,25,30,48 fps	
Video Format & Grayscale	DCP (12 bits XYZ), Digital Coding JPEG2000,SDR&HDR	
External Input Video	HDMI 2.1, 4K@120Hz (8bit)	

Operation Condition	LED System	Remarks
Operating Temperature/Humidity	-10~40 °C (-14~104 °F) / 10%~90%RH w/o dew	
Storage Temperature / Humidity	-20~60 °C (-4~140 °F) / 10%~95%RH *Aurora* w/o dew	12G-SDI, 4K, 4:4:4, 12-16 bits, max 96fps, *Obsidian*
Waterproof and dustproof grade	IP20	
LED Lifetime	100,000 hours to half brightness	
Floor Loading Requirement	150 kg/m²	

Certification		
Certification	DCI (CTP 1.4), CCC, CE,ETL,EMC Class A, IEC 62368-1, PSE	

Maintenance		
Maintenance Style	Front Access	

Lightning View Aurora & *Lightning View Obsidian:*   Three size available from 8.5 m2 to 19 m2

W: 6 m x H: 3,15m
W: 5 m x H: 2,63 m
W: 4 m x H: 2,1 m
1.7m
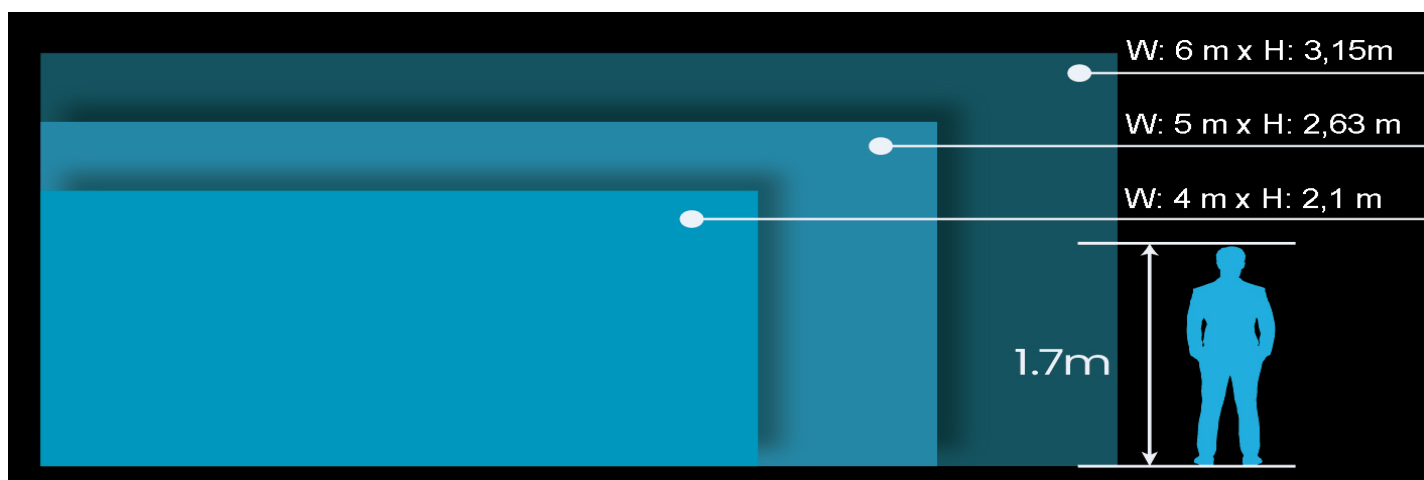
Lightning View Aurora & *Lightning View Obsidian:* Front access service & three mounting methods

Multiple installation methods

Meet diverse application needs
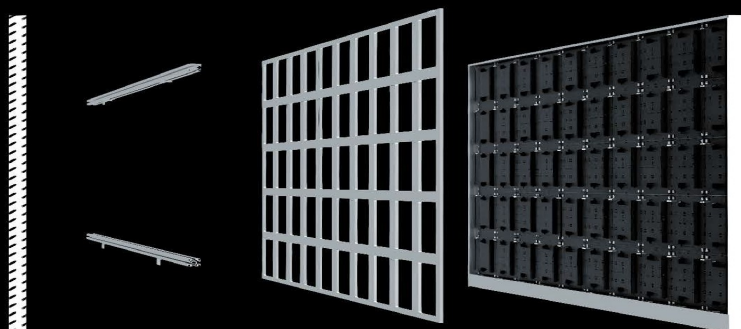
Intelligent mechanical design
Smart setup on every step

- Wall Mounting
- Free standing
- Hanging

Front Maintenance Series

Lightning View Premium Audio Family

Designed for integrators.
Built for customisation.

High-end residential projects demand true customisation, but fixed-format front-wall solutions add complexity, cost, and longer project cycles. Ambiance & Aurelys provides building-block platform that lets integrators design around the exact screen size, wall geometry, and performance target, all this without compromising the architectural result.

ARCHITECTURAL SCREEN INTEGRATION

Screen-framing concept with clean alignment.

MODULAR + SCALABLE

Build to fit screen size, layout and performance targets.

CUSTOM FINISHES

Choice 30 Fabric colours + 2 plate options for a refined result.

Two dedicated Product Lines

Theater Line, for dedicated cinemas and large rooms (620x540 mm)

The Theater Line is built for projects where output, scale, and headroom come first. It's the go-to range for dedicated cinemas and larger installations—designed to integrate into custom fit-outs while keeping the system architecture clean and professional.

Sonic*Frame* Line, slim architectural speakers for *Lightning View* screens' integration (540x340 mm or 340x236 mm)

Sonic*Frame* is designed for clean, modern screen installations—fitting around *Lightning View* screens on walls or in compact dedicated theaters. Its slim depth and modular cabinet formats make it easy to adapt to the project's screen layout while keeping a refined, architectural result.

Discover **Sonic** *Flex* CONCEPT

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CINEMA

SonicFrame Configurations

SonicFrame™ is available in four configuration families, each designed to let integrators build around the screen, wall geometry, and performance target while maintaining clean alignment and a refined architectural result.

Modular screen integration for high-performance home cinema

Fabric-finished speaker modules: no added structure

SonicFlex scalable speaker building blocks system

30 fabric finish colour options

Fully customizable soundbar
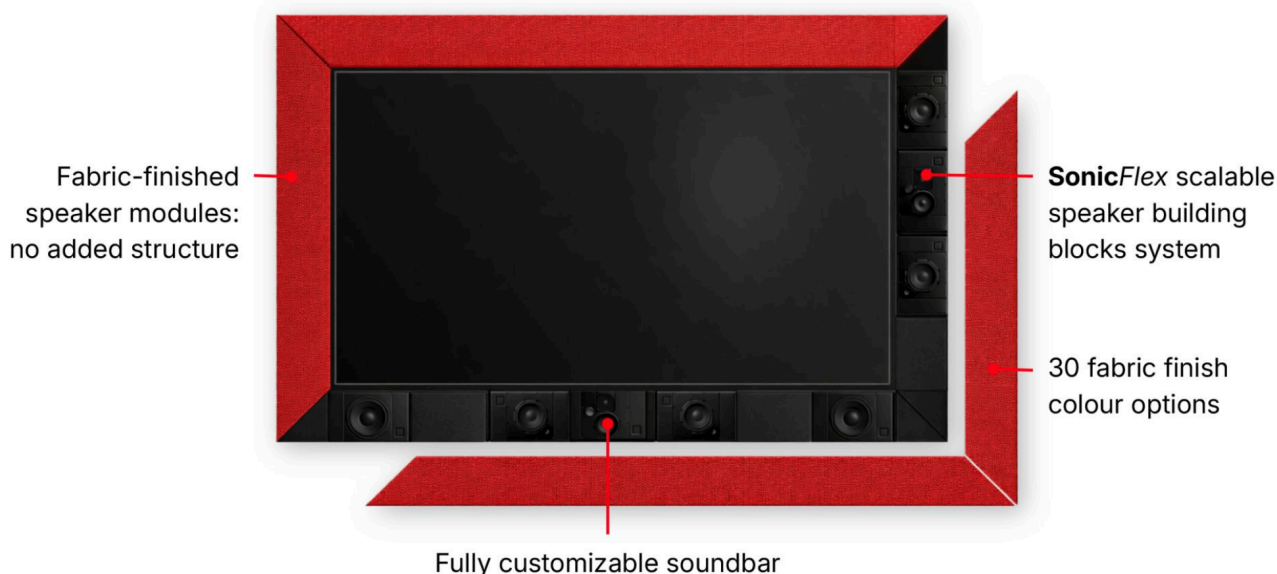
Full Frame

Full frame configurations deliver maximum architectural integration: a unified screen-framing concept with integrated speaker modules for a clean, seamless finish. Typical builds feature an LCR soundbar across the bottom with optional side channels, then scale with additional bass support as required
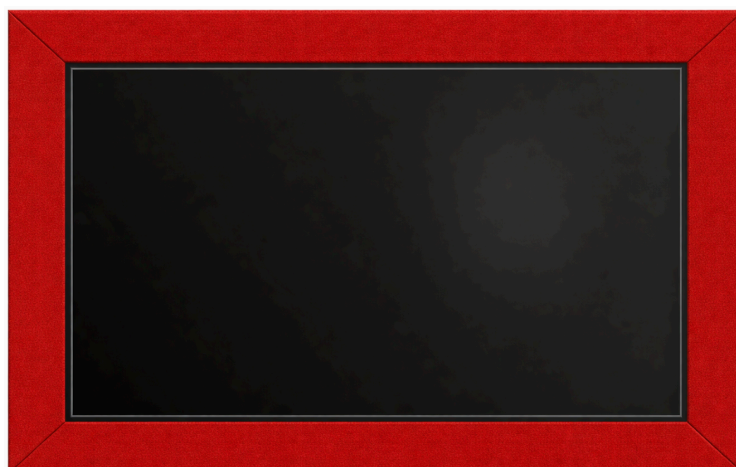
Side Bars

Side sound bars configuration focuses on vertical integration for screen-first alignment and a clean perimeter concept, ideal when the bottom area must remain clear. Configurations typically use left/right arrays for the main channels (and optional wides), paired with a separate centre/bottom solution when needed.

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Bottom SoundBar

Creates a continuous soundbar under the screen, assembled on-site to the required length for a perfect fit. Integrators can specify LCR soundbar layouts with scalable bass support, extending the total length using filler modules cut to match the exact dimension.

3 Speaker combo

This configuration combines side modules with a bottom soundbar for projects that demand a stronger front-stage and symmetrical screen integration. Typical configurations pair an LCR soundbar with left/right side arrays (and optional additional channels), then scale bass according to the room and target performance.

Dedicated to Cinema. Dedicated to Music. Dual-mode native.

Cinema and Music are different sound experiences, and many systems end up optimized for one destination.

Dual*Mode* is Aurelys' Multi-Sonic Modes technology for integrated speaker systems: select **Cinema, Music,** or **Classic (balanced all-round tuning)** within one platform, without external converters or complex switching workflows !

CINEMA MODE

Stability, headroom, and controlled dynamics at high playback levels—switch signatures in one system without added complexity.

MUSIC MODE

Finesse, nuance, and a refined listening signature—switch signatures in one system without added complexity.

CLASSIC MODE

Classic (balanced all-round tuning) for mixed use—switch signatures in one system without added complexity.

Dual*Mode* Ciné-Music technology is available across the range, including Dual Ciné-Music 8/8-C, Dual LCR 6 H+V, and Dual Satellites 6 H+V & 5 H+V.

ΛMƷIΛNCƎ
CINEMA

What makes Sonic*Flex* "flexible"

Sonic*Flex* supports Multi-Sonic Modes so the system can match the intended experience of the room.

BUILDING BLOCKS

Cinema and on-wall modules work as building blocks, so systems can be built around screens, walls, and layouts with real design freedom.

APPLICATION

Select the configuration for the environment: living spaces, home entertainment and media rooms, or dedicated home cinema.

SIZE

Scale the platform with room volume, screen size, SPL targets, and aesthetic constraints—from refined media rooms to full dedicated cinemas.
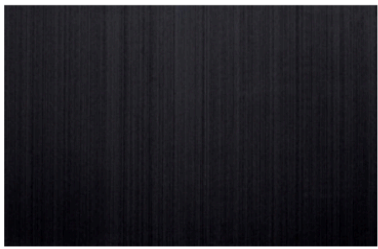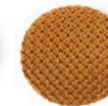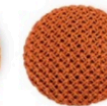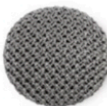
POWER

Scale headroom and listening distance by pairing the loudspeaker building blocks with supporting electronics (amplification/DSP + sound processing) to keep the system coherent from specification to tuning.

Assemble modules on-site **to any length**, with **factory-cut fillers for a perfect fit**.
Compose the system around the screen, wall geometry, and performance target, while keeping clean alignment and a refined architectural result, project after project.

Match your interior design

* Standard Fabric Colors	* Standard Plate Colors

Noir Carbone MR001
Gris Anthracite MR006
Bleu Pétrole MR018
Rubis MR013
Rouge Piment MR030

ALUMINIUM PLATE : SiLVER

ALUMINIUM PLATE : BLACK

* Optional Fabric Colors

Bleu Opale MR007
Bleu Arctique MR021
Bleu Torrent MR009
Bleu Royal MR015
Vert Kaki MR011
Vert Mousse MR028
Pistache MR008
Sauge MR025
Amande MR017

Chiné Écorce MR019
Beige Pralin MR002
Chiné Taupe MR023
Jaune Impérial MR016
Ocre MR004
Cannelle MR022
Ambre MR010
Terracotta MR024

Gris Cendré MR014
Gris Nuage MR027
Gris Nacré MR003
Crème MR012
Beige Kaolin MR029
Vermillon MR020
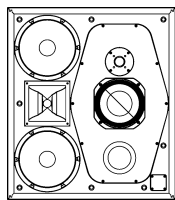Noisette MR026
Châtaigne MR005

AM3IANC3
CINEMA

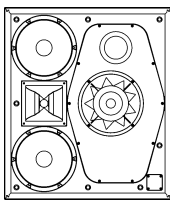# *Lightning View* Premium Audio Configurator

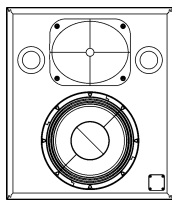## Modular *SonicFlex* High Performance Theater Line

H: 620mm W: 540mm D: 202mm | H: 980mm W: 540mm D: 300mm
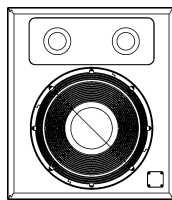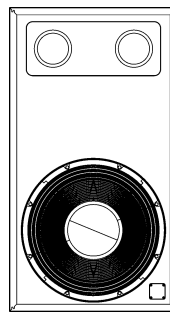
Dual Cine-Music 8
Signature Edition

Dual Cine-Music 8
Manger Edition

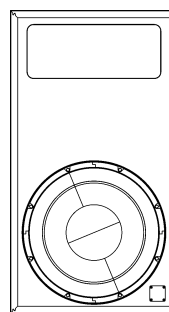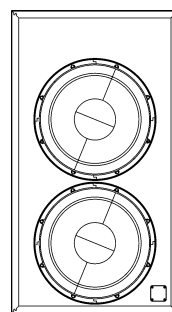LCR 12 - Satellite 12

Bass 15 Hi-Power

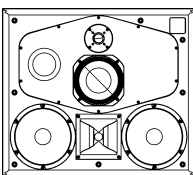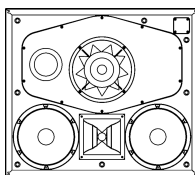### H: 540mm W: 620mm D: 202mm

Dual Cine-Music 8C
Signature Edition

Dual Cine-Music 8C
Manger Edition

Bass 18

Sub 18 Infra

Sub 2.15 Infra

Sonic *Frame* CONCEPT   Sonic *Flex* CONCEPT   Dual *Mode* CINE-MUSIC

Modular *SonicFrame* Slim Line

H: 540mm W: 340mm D: 110mm | H: 1020mm W: 340mm D: 110mm
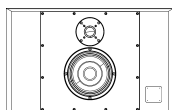
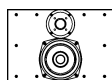Dual Satellite 6
Signature Edition
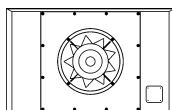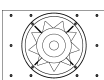
Dual Satellite 6
Manger Edition
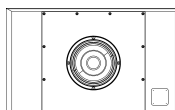
Cine Satellite 6
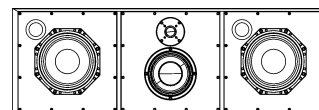
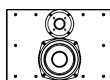Combo exemple 3 in 1

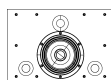### H: 340mm W: 236mm D: 99mm | H: 1020mm W: 236mm D: 99mm

Dual Satellite 5
Signature Edit.   Manger Edit.
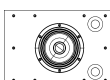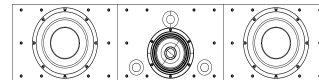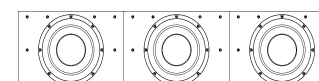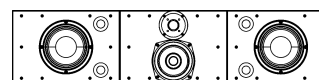
Music Satellite   Ciné Sat 5   Dual LCR 5   Music LCR 5.   Bass 6

Combo exemple 3 in 1

The **Dual Mode Ciné+Music amplifiers** are available in **five** versions, all 2RU rack, digital audio 96 KHz DAC Pro

8 channels version: 6x 800 W+2x 1500 W on 4 ohm - 4x 400 W+4x 800 W on 4 ohm - 6x 400 W+2x 800 W on 4 ohm
6x 280 W+2x 400 W on 4 ohm - Inputs: 2x AES/EBU, 4x analog XLR Balanced, 4x Dante I/O

6 channels version: 3x 400 W+3x 1000 W on 4 ohm - Inputs: 2x AES/EBU, 4x analog XLR Balanced, 4x Dante I/O

Each includes **DSP** to perfectly adapt to each location.

All the audio I/O are taken care by an advanced AV processor (*) delivered with the setup configuration parameters.
(*) *Storm Audio ISP Elite 32 Digital AoIP MK3.*

All family of Speakers & Amplifiers benefit from a factory **5 years warranty,** *with optional* **up to 5 years extension.**