IMAX Private Theatre Palais™

IMAX Private Theatre Palais™ brings patented IMAX® technology and its immersive experience to medium-sized private theatres of between 5 and 20 seats. To ensure ongoing satisfaction, IMAX Private Theatre Palais™ benefit from a smart daily image calibration function and 24/7 system performance monitoring.

- Dual 4K 2D/3D projectors
- Advanced image super enhancer
- Immersive IMAX® curved screen and movable frame
- Proprietary IMAX® sound system
- Media server
- Blu-ray™ player
- Support for additional sources (DVD, CD, streaming, gaming, karaoke)
- Touch-screen control pad with dedicated control system
- 20 pairs (adults) + 5 pairs (kids) of professional 3D glasses

* Space Requirement: ~480 - ~760 sq.ft

Contact us:

IMAX FZE, 14303 JAFZA Offices, PO Box 17366, Dubai, UAE

IMAX Private Theatre™, MENA

T: +971 88 18198

E: MENASales@imaxprivatetheatre.com

IMAX Private Theatre Palais™ System Specification

Video System	Projection system	Dual projectors
	Projector alignment	Automatic calibration, accuracy to 0.25 pixel level
	Display resolution	4096 x 2160 (Native 4K)
	End to End 4K support	Yes
	2D brightness[1]	30fl-L
	3D brightness[1]	6fl-L per eye
	3D mode	Passive
	3D format	L/R separation, frame packing, top and bottom
	3D/2D switch	Automatic 2D / 3D input detection and 3D filter on/off
	Native contrast (ON/OFF)	≥5000:1
	Throw ratio	1.27 - 2.73
	Lamp life[2]	≥2000hrs
	HDMI input compatibility	HDMI2.0 & HDCP2.2. downward compatibility
	Pixel depth	12bit
	Constant brightness	Yes
	Maximum video format	4096 x 2160 @ 60P
	Video format support	4K (4096x2160) @24P/60P and other common formats, such as 4K (3840x2160) @24P/60P,1080@50/60P, 1080@24P, 720@50/60P, 1080@50/60i, etc.
	Color gamut	DCI P3, Rec.709
	4K scaler	Yes
	I/P (Interlaced/Progressive) conversion	Yes
	Physical Blu-ray™ disc support	Yes
	Streaming video support	Yes
	DCI support	No

Note: 1. Brightness levels for individual products are determined by whether IMAX Private Theatre standard screen size is applied.

2. Lamp Life is determined by screen size.

Screen	Screen aspect ratio	1.896:1
	Screen material	Silver, Micro-perforated screen
	Maximum screen size	240 inches

Audio System	HDMI input	8 ways
	Dolby Digital Plus / Dolby TrueHD / Dolby Surround / Dolby Atmos	Supported
	DTS ES / DTS 96 / 24 / DTS-HD Master / DTS X	Supported
	PCM multi-channel	Supported
	HDCP2.2 compatibilities	Yes
	Preamplifier analog output type	XLR (Balance)
	Power amplifier output (per channel)	360W/8Ω, 700W/4Ω, 1000W/8Ω (Bridge)
	Front channel loudspeaker response	40Hz – 20kHz (-3dB)
	Front channel loudspeaker sensitivity	96dB (1m/1W)
	Front channel loudspeaker dispersion pattern	80°Horizontal, 50°Vertical (1.5kHz/-6dB)
	Front channel loudspeaker MAX SPL (1m)	122dB continuous, 126dB peak
	Surround channel loudspeaker response	80Hz – 20kHz (-3dB)
	Surround channel loudspeaker sensitivity	92dB (1m/1W)
	Surround channel loudspeaker dispersion pattern	80°Horizontal, 50°Vertical (1.5kHz/-6dB)
	Surround channel loudspeaker MAX SPL (1m)	116dB continuous, 122dB peak
	Subwoofer response	18Hz (-3dB)
	Subwoofer sensitivity	102dB (1m/1W)
	Subwoofer MAX SPL (1m 50Hz)	132dB continuous, 138dB peak

Control System	Control PC	Industrial grade central control computer
	Control system	IMAX Private Theatre™ proprietary control system
	Controller	Android Tablet
	UI language	English

Remote Monitoring and Support	System status remote monitoring (24H/7D)	Yes, working status monitoring of all the key equipment, including projector, speakers, central control server, etc.
	Auto failure report	Yes
	Remote diagnosis	Yes
	SADA (speaker work status auto detect)	Yes
	Temperature & Humidity monitoring	Yes

Power System	PDU	Included
	UPS	Included
	Power of the full system	3000VA

Equipment Size	Projectors	645 mm * 520 mm * 220 mm each
	L/R/C speakers	480 mm * 570 mm * 280 mm each
	Surround speakers	470 mm * 410 mm * 200 mm each
	Subwoofers	1050 mm * 670 mm * 300 mm each
	A/V rack	600 mm * 800 mm * 1687 mm each

Recommended Room Size:

Room Ceiling Height	2.4 – 3.8 meters
Screen Size	165 – 240 inches (include 5 standard size: XS 165/ S 180/ M 200/ L 220/ XL 240)
Seating Capacity	5 – 20 standard IMAX Private Theatre seats