

IMAX Private Theatre Palais™

IMAX Private Theatre Palais™ brings patented IMAX® technology and its immersive experience to medium-sized private theatres of between 8 and 20 seats. To ensure ongoing satisfaction, IMAX Private Theatre Palais™ benefits 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
 - x3 pairs of professional 3D glasses per seat
- * Space Requirement: 484–753 sq.ft



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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, SBS, 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	≥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	BT.709, DCI P3
	4K scaler	Yes
	I/P (Interlaced / Progressive) conversion	Yes
Physical Blu-ray disc support	Yes	
Streaming video support	Yes	
DCI support	No	

Screen	Screen aspect ratio	1.896:1
	Screen material	Silver, Micro-perferated screen
	Maximum screen size	240 inches
Audio System	HDMI input	8 way
	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 compatibility	Yes
	Preamplifier analog output type	XLR (Balance)
	Power amplifier output (per channel)	360W/8 Ω ; 700W/4 Ω
	Front channel loudspeaker Response	40Hz - 20kHz
	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
	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 equipments, 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	8000VA
Equipment Size	Projectors	25.2 inches * 20.5 inches * 8.2 inches each
	L\R\C speakers	38.6 inches * 18.9 inches * 11.0 inches each
	Surround speakers	16.1 inches * 18.5 inches * 7.9 inches each
	Subwoofers	26.4 inches * 41.3 inches * 11.8 inches each
	Projector platform	30.9 inches * 47.2 inches * 17.3 inches
	A/V rack	31.5 inches * 23.6 inches * 74.8 inches

Recommended Room Size:

Size	Sq.ft.	No. of Seats	Height (ft)	Width (ft)	Depth (ft)	Screen Size (Diagonal)
XS	527	6	7.9	16.8	31.5	161
S	570	8	9.2	18	31.5	177
M	624	10	10.2	19.7	31.5	201
L	700	14	11.2	21.7	32.2	225
XL	753	18	12.5	22.6	33.1	240

