IMAX Private Theatre Prestige™

IMAX Private Theatre Prestige™ offers the perfect entertainment solution for enhancing the versatility of clients' private entertainment space, delivering the authenticity of IMAX® to a multimedia environment of complete comfort and luxury for intimate audiences of up to nine people.

- Dual 4K 2D/3D projectors
- 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
- 10 pairs (adults) + 5 pairs (kids) of professional 3D glasses

* Space Requirement: ~215 - ~430sq.ft

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IMAX Private Theatre Prestige™ System Specification

Video System	Projection system	Dual projectors
	Projector alignment	Mechanical
	Display resolution	4096 x 2160 (Native 4K)
	End to End 4K support	Yes
	2D brightness[1]	22fl-L to 30fl-L
	3D brightness[1]	6.5fl-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
	Smart brightness balance in 2D	Support
	Native contrast (ON/OFF)	⩾4000:1
	Throw ratio	1.3 - 2.7
	Lamp life[2]	⩾2000hrs
	HDMI input compatibility	HDMI2.0 & HDCP2.2. downward compatibility
	Pixel depth	12bit
	Maximum video format	4096 x 2160 @ 60P
	Video format support	4K (4096x2160) @24P/60P, 4K (3840x2160) @24P/60P;1080@50/60P, 1080@24P, 720@50/60P, 1080@50/60i, etc.
	Color gamut	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.

The information in this Specification Sheet is of a preliminary nature and is subject to change based on continuing development work being performed by TCL-IMAX.

Screen	Screen aspect ratio	1.896:1
	Screen material	Silver, Micro-perforated screen
	Maximum screen size	180 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 compatibility	Yes
	Power amplifier output (per channel)	125W/8Ω, 165W/4Ω
	Front channel loudspeaker response	75Hz – 20kHz (-3dB)
	Front channel loudspeaker sensitivity	95dB (1m/1W)
	Front channel loudspeaker dispersion pattern	80°Horizontal, 35°Vertical (1.5kHz/-6dB)
	Front channel loudspeaker MAX SPL (1m)	122dB continuous, 128dB peak
	Surround channel loudspeaker response	80Hz – 20kHz (-3dB)
	Surround channel loudspeaker sensitivity	90dB (1m/1W)
	Surround channel loudspeaker dispersion pattern	80°Horizontal, 50°Vertical (1.5kHz/-6dB)
	Surround channel loudspeaker MAX SPL (1m)	110dB continuous, 116dB peak
	Subwoofer response	22Hz (-3dB)
	Subwoofer MAX SPL (1m 50Hz)	125dB continuous, 130dB 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	2000VA
Equipment Size	Projectors	465 mm * 495 mm * 200 mm each
	L/R speakers	450 mm * 655 mm * 200 mm each
	Center speakers	470 mm * 290 mm * 125 mm each
	Surround speakers	470 mm * 290 mm * 125 mm each
	Subwoofers	930 mm * 570 mm * 220 mm each
	A/V rack	600 mm * 600 mm * 1380 mm each

Recommended Room Size:

Room Ceiling Height	2.2 – 3 meters
Screen Size	130 – 180 inches (include 4 standard size: S 130/ M 150/ L165/ XL 180)
Seating Capacity	3 – 9 standard IMAX Private Theatre seats