

## 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: ~45-~70m²



### Contact us:

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

T: +971 881 8198

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                      | 4096x2160 (Native 4K)  |
|              | End to End 4K support                   | Yes  |
|              | 2D brightness¹                          | 30fl-L   |
|              | 3D brightness¹                          | 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                    | 4096x2160@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                             | 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   |

Note: 1.Brightness levels for individual products are determined by reference to the IMAX Private Theatre™ design guidelines.

|                               |  |   |
|-------------------------------|--|---|
| Screen                        | Screen aspect ratio  | 1.896:1   |
|                               | Screen material  | Silver, micro-perforated screen   |
|                               | Maximum screen size  | 240inches   |
| 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 $\Omega$ , 700W/4 $\Omega$ , 1000W/8 $\Omega$ (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 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   | 640*521*208mm each  |
|                               | L/R/C speakers   | 980*480*279mm each  |
|                               | Surround speakers  | 409*470*201mm each  |
|                               | Subwoofers   | 671*1049*300mm each   |
|                               | Projector platform   | 1205*805*603mm  |
|                               | A/V rack   | 800*599*1900mm  |

### Recommended Room Size:

| Size | m <sup>2</sup> | No.of Seats | Height (m) | Width (m) | Depth (m) | Screen Size (Diagonal) |
|------|----------------|-------------|------------|-----------|-----------|------------------------|
| XS   | 49             | 7           | 2.4        | 5.1       | 9.6       | 161                    |
| S    | 53             | 8           | 2.8        | 5.5       | 9.6       | 177                    |
| M    | 58             | 9           | 3.1        | 6         | 9.6       | 201                    |
| L    | 65             | 16          | 3.4        | 6.6       | 9.8       | 225                    |
| XL   | 70             | 20          | 3.8        | 6.9       | 10.1      | 240                    |

