

## Note Regarding Direct-View Screens

As of December 02, 2023, CTP 1.4 will be in effect. CTP 1.4 contains image testing designed specifically for Direct View screen systems which previous compliance test plans lacked.

Existing Direct View devices listed on the [DCImovies.com Compliant Equipment page](#) were tested prior to the development of CTP 1.4. It should be noted that they have been tested under the legacy Projector-based CTP which did not contemplate the specifics of Direct View technology. As such, these devices are largely untested with respect to image performance.

Manufacturers of such Direct View displays are encouraged to retest under CTP 1.4 (or later) to ensure their performance meets the requirements of the latest DCI Direct View Addendum.

DCI encourages consultation with additional industry experts to ensure a thorough understanding of the issues and limits with direct-view systems, including but not limited to sound reproduction.

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**Notice pursuant to Section 2.3.2 of the RESTATED AND AMENDED TESTING AUTHORIZATION AND TEST SUITE LICENSING AGREEMENT made as of January 1, 2017 by and between Digital Cinema Initiatives, LLC (DCI) and AEGISOLVE, INC.**

To:  
Chairman, DCI Member Representatives Committee  
Chairman, DCI Technical Committee

|                                               |                                                                                       |
|-----------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Reporting date</b>                         | September 30 <sup>th</sup> , 2022                                                     |
| <b>Name of Testing Organization</b>           | AEGISOLVE, INC.                                                                       |
| <b>Address of Testing Organization</b>        | 415 Fairchild Dr.<br>Mountain View, California 94043 USA                              |
| <b>Name of Test Operator</b>                  | Travis Spann                                                                          |
| <b>Name of Test Subject Representative</b>    | SHENZHEN TIMEWAYING TECHNOLOGY CO., LTD.                                              |
| <b>Address of Test Subject Representative</b> | 22/F Block C2, Nanshan Zhiyuan, 1001 Xueyuan Road, Nanshan District, Shenzhen, China. |
| <b>Make and model of Test Subject</b>         |                                                                                       |
| <b>Manufacturer</b>                           | SHENZHEN TIMEWAYING TECHNOLOGY CO., LTD.                                              |
| <b>Make</b>                                   | D-Cinema Direct View Display                                                          |
| <b>Model</b>                                  | LA4K-20                                                                               |
| <b>Version</b>                                | (detailed version information below)                                                  |
| <b>Certificated Devices</b>                   |                                                                                       |
| <b>Manufacturer</b>                           | SHENZHEN TIMEWAYING TECHNOLOGY CO., LTD.                                              |
| <b>Make</b>                                   | D-Cinema Direct View Display                                                          |
| <b>Model</b>                                  | LA4K-20                                                                               |
| <b>Serial Number</b>                          | 204000002                                                                             |

|                      |                                      |
|----------------------|--------------------------------------|
| <b>Version</b>       | (detailed version information below) |
| <b>Manufacturer</b>  | Dolby Laboratories, Inc.             |
| <b>Make</b>          | <i>Image Media Block</i>             |
| <b>Model</b>         | IMS3000(CID1002)                     |
| <b>Serial Number</b> | 346020                               |
| <b>Version</b>       | (detailed version information below) |
| <b>Manufacturer</b>  | <i>Dolby Laboratories, Inc.</i>      |
| <b>Make</b>          | <i>SMS</i>                           |
| <b>Model</b>         | <i>CID1002</i>                       |
| <b>Serial Number</b> | 346020                               |
| <b>Version</b>       | (detailed version information below) |

|                                   |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| <b>Test procedure performed</b>   | Chapter 15: Projector w/IMB (Proj + IMB + SMS)<br>Excluded Feature: Projector Overlay |
| <b>Test status</b>                | No Failures Detected                                                                  |
| <b>IMB or IMBO is MMB capable</b> | N/A                                                                                   |
| <b>SMS is MMB capable</b>         | N/A                                                                                   |

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|                                                             |  |  |                                              |
|-------------------------------------------------------------|--|--|----------------------------------------------|
|                                                             |  |  | <b>System #1</b>                             |
| <b>IMS3000 (CID1002)</b>                                    |  |  |                                              |
| <b>Hardware Revision</b>                                    |  |  | IMS3C                                        |
|                                                             |  |  |                                              |
| <b>Firmware/Software revisions and Details</b>              |  |  |                                              |
| Product name                                                |  |  | IMS3000                                      |
| Serial number                                               |  |  | 346020                                       |
| Firmware version                                            |  |  | 3.3.43-0                                     |
| Normal firmware                                             |  |  | 3.3.43-0 (active)                            |
| Alternate firmware                                          |  |  | 3.3.43-0                                     |
| Software version                                            |  |  | 3.3.43-0                                     |
| Watermark video                                             |  |  | Dolby 0.3                                    |
| Watermark audio                                             |  |  | Dolby 4.3.2                                  |
| Audio Engine                                                |  |  | Dolby 1.3.15                                 |
| SM version                                                  |  |  | 3.3.43-0                                     |
| Board Type                                                  |  |  | regular                                      |
| Bundle version                                              |  |  | 3.3.43                                       |
|                                                             |  |  |                                              |
| <b>Storage</b>                                              |  |  | Integrated (3 drives RAID5)<br>DRM_IMS_HDD-1 |
|                                                             |  |  |                                              |
| <b>D-Cinema Direct View Display Hardware Identification</b> |  |  |                                              |
| Model                                                       |  |  | LA4K-20                                      |
| Serial Number                                               |  |  | 204000002                                    |
|                                                             |  |  |                                              |
| <b>LED Cinema System Software Identification</b>            |  |  |                                              |
| FLCS Version                                                |  |  | V2.5.6                                       |
| Software Version                                            |  |  | V1.3                                         |
| Secure Silicon Version                                      |  |  | V2.1.1                                       |
| Tool Version                                                |  |  | V5.4.2                                       |
|                                                             |  |  |                                              |
| <b>LED Cabinet-M Hardware Identification</b>                |  |  |                                              |
| Model                                                       |  |  | LA4K-20-0                                    |
| Number of Cabinets                                          |  |  | 1                                            |
| Serial Number                                               |  |  | 22190001                                     |
|                                                             |  |  |                                              |

|                                                                          |  |  |                              |
|--------------------------------------------------------------------------|--|--|------------------------------|
| <b>LED Cabinet-TF<br/>Hardware Identification</b>                        |  |  |                              |
| Model                                                                    |  |  | LA4K-20-1                    |
| Number of Cabinets                                                       |  |  | 1                            |
| Serial Number                                                            |  |  | 22190002                     |
|                                                                          |  |  |                              |
| <b>LED Cabinet-T<br/>Hardware Identification</b>                         |  |  |                              |
| Model                                                                    |  |  | LA4K-20-2                    |
| Number of Cabinets                                                       |  |  | 1                            |
| Serial Number                                                            |  |  | 22190003                     |
|                                                                          |  |  |                              |
| <b>LED Cabinet-TS<br/>Hardware Identification</b>                        |  |  |                              |
| Model                                                                    |  |  | LA4K-20-3                    |
| Number of Cabinets                                                       |  |  | 1                            |
| Serial Number                                                            |  |  | 22190004                     |
|                                                                          |  |  |                              |
| <b>LED Cabinet-R<br/>Hardware Identification</b>                         |  |  |                              |
| Model                                                                    |  |  | LA4K-20-4                    |
| Number of Cabinets                                                       |  |  | 414                          |
| Serial Number                                                            |  |  | 22190005~22190420            |
|                                                                          |  |  |                              |
| <b>LED Cinema System Controller<br/>Hardware Identification</b>          |  |  |                              |
| Model                                                                    |  |  | IMB ADAPTER BOARD            |
| Hardware Version                                                         |  |  | V1.0                         |
| PCB Silkscreen                                                           |  |  | A0000352-NMA-0002            |
| Serial Number                                                            |  |  | 202124-34                    |
|                                                                          |  |  |                              |
| <b>LED Cinema System Controller<br/>Firmware/Software Identification</b> |  |  |                              |
| Model                                                                    |  |  | IMB Adapter Control Software |
| Software Version                                                         |  |  | V1.3                         |
|                                                                          |  |  |                              |
| <b>LED TX Board</b>                                                      |  |  |                              |
| Model                                                                    |  |  | TX800                        |
| PCB Silkscreen                                                           |  |  | TX800-E1                     |

|                                                       |  |  |                        |
|-------------------------------------------------------|--|--|------------------------|
|                                                       |  |  |                        |
|                                                       |  |  |                        |
| <b>Video Splicing Processor</b>                       |  |  |                        |
| Model                                                 |  |  | MIG-A105               |
| PCB Silkscreen                                        |  |  | MIG-A105-MAIN-V105     |
|                                                       |  |  |                        |
| <b>LED RX Board</b>                                   |  |  |                        |
| Model                                                 |  |  | MGMA20914W             |
| PCB Silkscreen                                        |  |  | S11C-A2                |
|                                                       |  |  |                        |
| <b>LED Module Hardware Identification</b>             |  |  |                        |
| Model                                                 |  |  | P4.8077                |
| PCB silkscreen                                        |  |  | P4.8077-52X26-13S-V4.1 |
| Number of LED Modules per Cabinet                     |  |  | 16                     |
| Number of Cabinets                                    |  |  | 420                    |
|                                                       |  |  |                        |
| <b>LED Module Connection Board</b>                    |  |  |                        |
| Model                                                 |  |  | HUB 4.8077-V3          |
| PCB Silkscreen                                        |  |  | 281181k-y103-191127    |
|                                                       |  |  |                        |
| <b>LED Power Supply Unit Hardware Identification</b>  |  |  |                        |
| Model                                                 |  |  | UHP-200R-4.2           |
|                                                       |  |  |                        |
| <b>Direct View Display Hardware Identification</b>    |  |  |                        |
| Model                                                 |  |  | LA4K-20                |
| Resolution                                            |  |  | 4096 X 2160            |
| Number of cabinets                                    |  |  | 420                    |
| Number of LED Modules per Cabinet                     |  |  | 16                     |
| LED pixel pitch (mm)                                  |  |  | P4.807                 |
| Screen dimension<br>(horizontal x vertical in meters) |  |  | 20.0 X 10.5            |
| Screen dimension<br>(horizontal x vertical in feet)   |  |  | 65.6 X 34.4            |