

# SX-3000

## Standalone Integrated Media Block™ with Enterprise Storage

Every function you could possibly wish for your digital cinema  
in a single media block with versatile storage solution



SX-3000 Standalone IMB®



Enterprise Storage

The SX-3000 Standalone Integrated Media Block™ ("SX-3000 Standalone IMB®") comes with Enterprise Storage, a cost effective, reliable and scalable external storage solution. Enterprise Storage offers exhibitors large and cost effective storage capacity with up to 8TB of redundant hot swappable storage.

# Why choose GDC Technology's SX-3000 IMB with Enterprise Storage ?

SX-3000 **Standalone**  
IMB™

1

## Lower Maintenance Costs

The SX-3000 IMB eliminates the need for an external file server. It seamlessly integrates with all DLP Cinema® projectors and comes with SMS software for playback control and content management.

2

## Lower Operation Costs

The SX-3000 IMB allows long distance content streaming and remote access via gigabit Ethernet connection.

3

## High Frame Rate and All Image Resolution Support

The SX-3000 IMB supports high frame rate content in 2D and 3D (48 & 60fps per eye) and all image resolution including SD, HD, 2K and 4K (optional).

4

## Comprehensive Support for Alternative Content

The SX-3000 IMB supports HDMI input, 3G-SDI input and network live streaming<sup>1</sup> (optional). It also supports image scaling to 2K.

5

## Live 3D Support<sup>1</sup> (Optional)

The SX-3000 IMB comes integrated with 3D Demuxing (side-by-side) which makes receiving high-quality 3D broadcasts possible. It also provides a built-in integrated 3D decoder to seamlessly support 3D Live broadcast without requiring additional decoder.

6

## Up to 8TB Storage<sup>2</sup>

The Enterprise Storage is scalable with different options. It can support up to 8TB of redundant hot swappable storage, which can store approximately 80 movies (i.e. 100GB per movie).

7

## High Reliability

The Enterprise Storage comes with 5 hot swappable data drives<sup>2</sup> and is based on enterprise hardware RAID 5 technology allowing it to remain operational in the event of a single drive failure, thereby minimizing downtime.

8

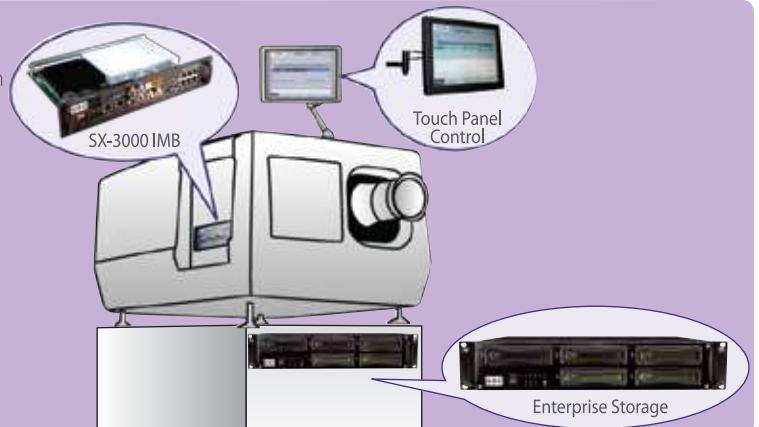
## High Flexibility

The Enterprise Storage comes with hot swappable data drives that can easily be attached or detached, making it possible to quickly switch content from one screen to another.

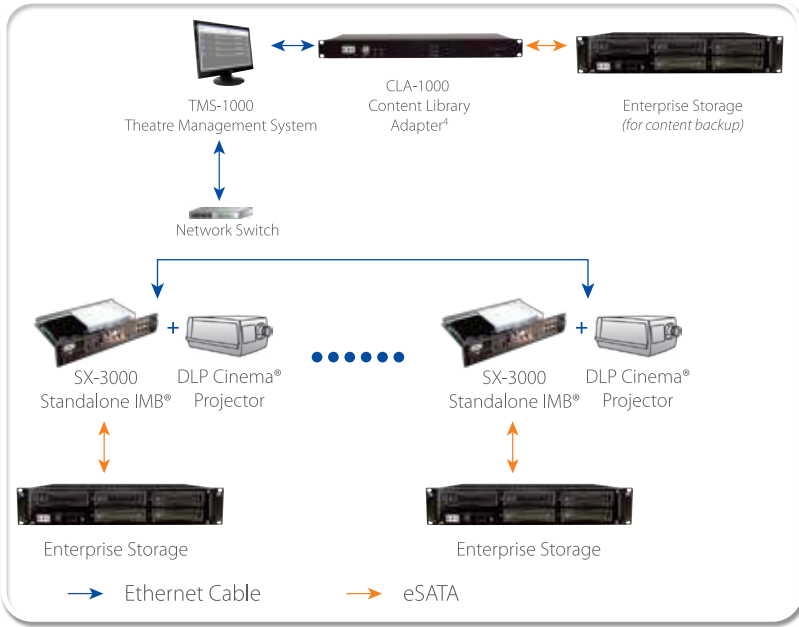
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## Easy Installation

The Enterprise Storage is connected to SX-3000 IMB with eSATA cable and is easily inserted into projection pedestals.

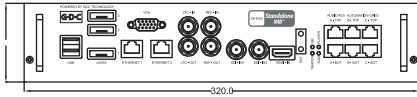


## System Configuration

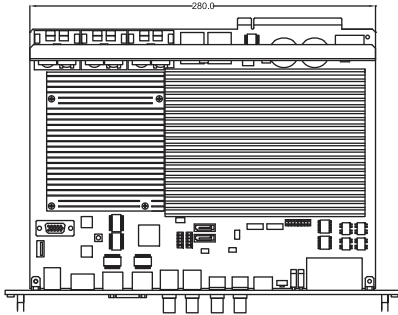


## Technical Drawing SX-3000 IMB

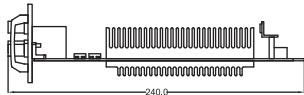
Front View



Top View

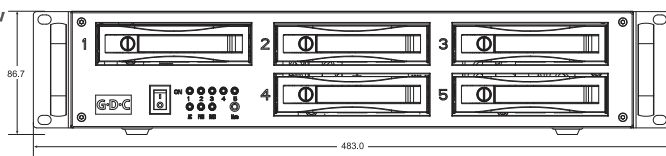


Side View

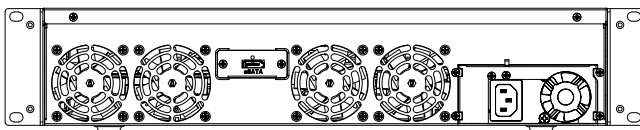


## Enterprise Storage

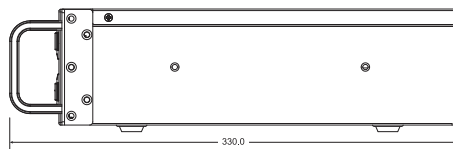
Front View



Back View



Side View



## Technical Specifications

### Physical

Dimensions (IMB)	320(W) x 240(D) x 63.7(H) mm
Dimensions (Enterprise Storage)	483(W) x 330(D) x 86.7(H) mm 2RU
Weight (IMB)	1.5 kg
Weight (Enterprise Storage)	9.5kg excluding hard disk

### Environmental

Operating temperature	0°C to 40°C (0°F to 104°F)
Operating humidity	20% to 90%, non-condensing
Operating altitude	10,000 ft (3,000m) above sea level <sup>3</sup>

### Power

Power requirement	115 to 230V, 63 to 47Hz, 3.6/ 6A <sup>4</sup>
Max power consumption (IMB)	75W
Max power consumption (Enterprise Storage)	175W

### Video Specifications

JPEG 2000	4K – 24 (2D) (optional) 2K – 24, 48, 60, 120* (2D) 2K – 24, 48, 60 (3D)
MPEG 2/MPEG 4 <sup>5</sup>	SD/HD
Packaging	SMPTTE Digital Cinema Package (DCP), Interop DCP

### Audio Output

Digital uncompressed audio	16/24-bit AES/EBU, 16 channels, 48/96 KHz 2 x RJ45
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### System Interfaces

Ethernet	2 x RJ-45 (1000 BaseT)
eSATA	x 3
USB2.0	2 x USB A-Type Female
LTC	In & Out ( 2 x BNC )
REF	Passive loop output / Video sync input ( 2 x BNC )
HDMI	x 1 (alternative content input)
3G-SDI	x 2 (alternative content input)
8-port GPI/Os	4 x RJ45 ( 8 GPIs and 8 GPOs )

### Storage options

Redundant hot swappable 4TB, 6TB or 8TB

### Security

AES 128-bit encrypted data storage  
Civolution (NexGuard<sup>®</sup>) forensic  
watermarking

### Subtitles

Subtitle overlay<sup>5</sup>  
Projector Cinecanvas support

### User Interface

PC/ Mac/ VGA

### Third-party Integration Options

TMS	GDC, Third-party <sup>6</sup>
3D system	RealD, Dolby 3D, MasterImage, active systems
4D system	D-BOX Motion Code™, 4D plex
3D sound	Dolby Atmos <sup>5</sup>
Closed Captioning Device	Support SMPTE430-10

<sup>1</sup> Depending on specifications – please check with GDC Technology sales representatives.

<sup>2</sup> Depending on storage option – please check with GDC Technology sales representatives.

<sup>3</sup> Depending on specifications of the hard disk

<sup>4</sup> Depending on the power supply unit

<sup>5</sup> Feature may not be available upon initial release

<sup>6</sup> Please check with your TMS provider

\*Optional item - software upgrade and license are required