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SX-3000

Standalone Integrated Media Block™ with Portable Storage

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



SX-3000 Standalone IMB®



Portable Storage

“ The SX-3000 Standalone Integrated Media Block™ (“SX-3000 Standalone IMB®”) comes with Portable Storage, a cost effective, reliable and scalable external storage solution. Portable Storage is a compact and lightweight device that can be mounted on all types of DLP Cinema® projectors and features up to 3TB of hot swappable storage. ”



GDC Technology manufacturing facility is ISO 9001 : 2008 certified.

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



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. Also automation can be controlled via Ethernet cable which makes SX-3000 IMB with Portable Storage suitable for boothless design.

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 streaming¹ (optional). It also supports image scaling to 2K.

5

Live 3D Support¹ (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 3TB Storage²
The Portable Storage is scalable with different options. It can support up to 3TB of redundant hot swappable storage, which can store approximately 30 movies (i.e. 100GB per movie).

7

High Reliability
The Portable Storage comes with 3 or 4 hot swappable data drives² 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.

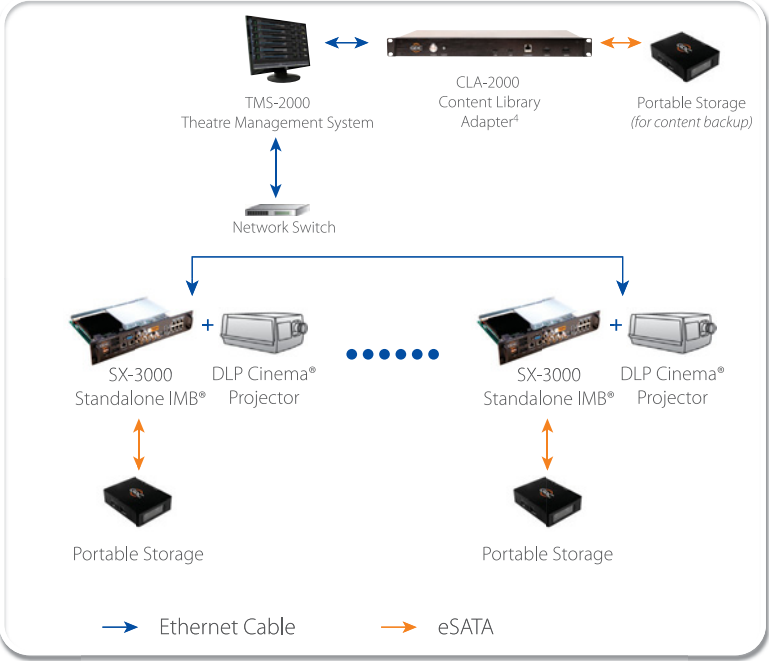
8

High Flexibility
The Portable 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.

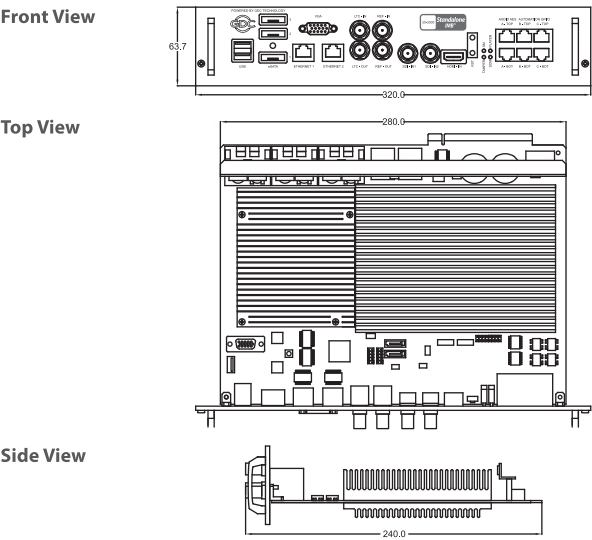
9

Easy Installation
The Portable Storage is a very compact and light external storage device which can be easily mounted on projectors, making it suitable for boothless cinema design.

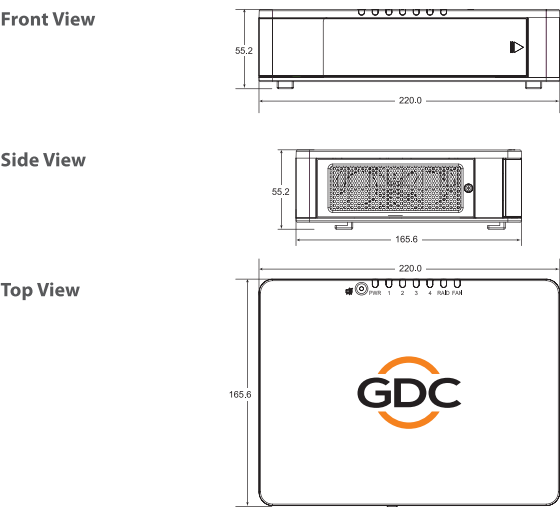
System Configuration



Technical Drawing SX-3000 IMB



Portable Storage



Technical Specifications

Physical	
Dimensions (IMB)	320(W) x 240(D) x 63.7(H) mm
Dimensions (Portable Storage)	220(W) x 165.6(D) x 55.2(H) mm
Weight (IMB)	1.5kg
Weight (Portable Storage)	1.5kg 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 ³
Power	
Power requirement	100 to 240V, 60 to 50Hz, 1.5A
(Portable Storage)	
Max power consumption (IMB)	75W
Max power consumption (Portable Storage)	30W
Video Specifications	
JPEG 2000	4K – 24, 25, 30 (2D) (optional) 2K – 24, 25, 30, 48, 50, 60 (2D) 2K – 24, 25, 30, 48, 50, 60 (3D)
MPEG 2/MPEG 4 ⁴	SD/HD
Packaging	SMPTE Digital Cinema Package (DCP), Interop DCP
Audio Output	
Digital uncompressed audio	16/24-bit AES/EBU, 16 channels, 48/96 KHz 2 x RJ45
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 (optional)	4 x RJ45 (8 GPIs and 8 GPOs)
Storage Options	
	Redundant hot swappable 2TB or 3TB
Security	
	AES 128-bit encrypted data storage Civolution (NexGuard®) forensic watermarking
Subtitles	
	Subtitle overlay ⁴ Projector Cinecanvas support
User Interface	
	PC/ Mac/ VGA
Third-party Integration Options	
TMS	GDC, Third-party ⁵
3D system	RealD, Dolby 3D, MasterImage, active systems
4D system	D-BOX Motion Code™, 4D plex
3D sound	Dolby Atmos ⁴
Closed Captioning Device	Support SMPTE430-10

¹ Depending on specifications – please check with GDC Technology sales representatives.
² Depending on storage option – please check with GDC Technology sales representatives.
³ Depending on specifications of the hard disk
⁴ Feature may not be available upon initial release
⁵ Please check with your TMS provider

