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GDC Technology manufacturing facility is ISO 9001 : 2008 certified.

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# SX-3000

## Standalone Integrated Media Block™ with GDC Enterprise Series 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 Plus



Enterprise Storage

“ The SX-3000 Standalone Integrated Media Block™ (“SX-3000 Standalone IMB®”) is the industry’s first Standalone IMB which eliminates the need for an external file server. To complete GDC IMB solution, GDC Enterprise Series Storage, which was specially designed for SX-3000 IMB, offers a scalable and reliable storage with up to 8TB of redundant hot swappable storage serving differing exhibitor needs. ”



# Why choose GDC Technology's SX-3000 IMB with Enterprise Series 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.

**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.

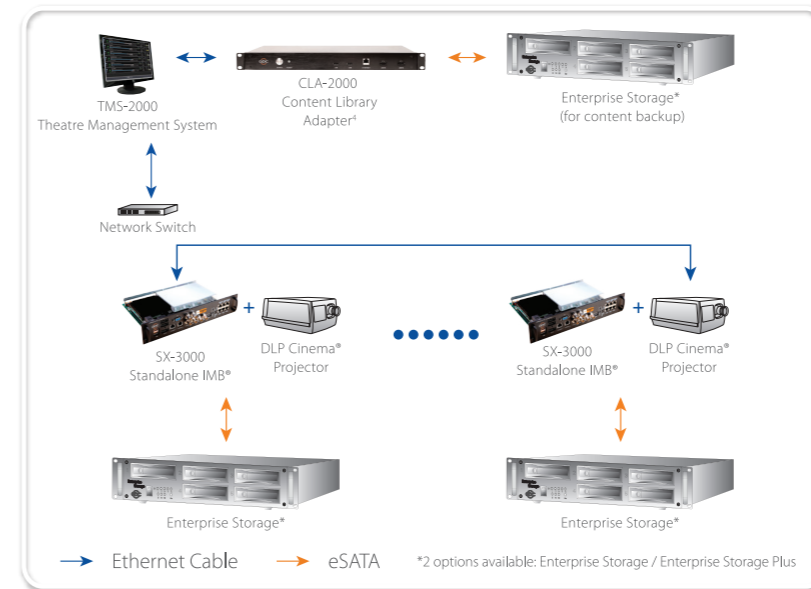
**6 Dedicated Storage Solution**  
GDC Enterprise Series Storage, including Enterprise Storage and Enterprise Storage Plus, is a dedicated storage module designed for SX-3000 IMB, for movie content management. Both storage devices provide large storage options of up to 8TB of redundant hot swappable storage<sup>2</sup>, which can store approximately 80 movies (i.e. 100GB per movie).

**7 High Reliability**  
GDC Enterprise Series 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. The redundant power supply of Enterprise Storage Plus delivers a significant improvement in overall system stability.

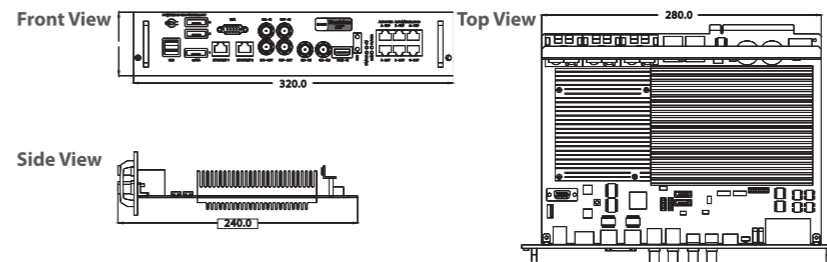
**8 High Flexibility**  
The hot swappable data drive on GDC Enterprise Series Storage can easily be attached or detached, making it possible to quickly switch content from one screen to another. The CRU port on Enterprise Storage Plus provides one more interface for content and key delivery.



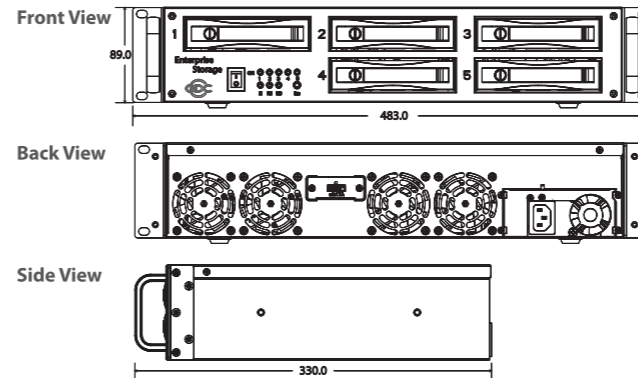
## System Configuration



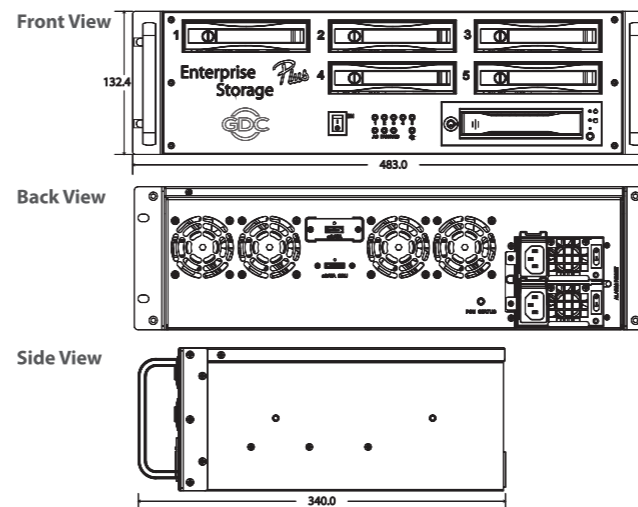
## Technical Drawing SX-3000 IMB



## Enterprise Storage



## Enterprise Storage Plus



## Technical Specifications

Physical	
Dimensions (IMB)	320(W) x 240(D) x 63.7(H) mm
Dimensions (Enterprise Storage)	483(W) x 330(D) x 89(H) mm 2RU
Dimensions (Enterprise Storage Plus)	483(W) x 340(D) x 132.4(H) mm 3RU
Weight (IMB)	1.5 kg
Weight (Enterprise Storage)	9.5 kg excluding hard disk
Weight (Enterprise Storage Plus)	12.5 kg excluding hard disk, with CRU

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

Power	
Power requirement (Enterprise Storage)	115 to 230V, 63 to 47Hz, 3.6/6A <sup>4</sup>
Power requirement (Enterprise Storage Plus)	100 to 240V, 63 to 47Hz, 2/4.5A
Max power consumption (IMB)	75W
Max power consumption (Enterprise Storage)	175W
Max power consumption (Enterprise Storage Plus)	185W

Video Specifications	
JPEG 2000	4K - 24 (2D) (optional) 2K - 24, 48, 60 (2D) 2K - 24, 48, 60 (3D)
MPEG 2/MPEG 4 <sup>5</sup> Packaging	SD/HD 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 GPIOs (optional)	4 x RJ45 (8 GPIOs and 8 GPOs)
CRU eSATA Port	x 1 (available on Enterprise Storage Plus only)

Storage Options	
	Redundant hot swappable 4TB, 6TB or 8TB

Security	
	AES 128-bit encrypted data storage Civolution (NexGuard®) 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>3</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

