SX-3000

Standalone
Integrated Media Block (IMB)

Every function you could possibly wish for your digital cinema in a single media block
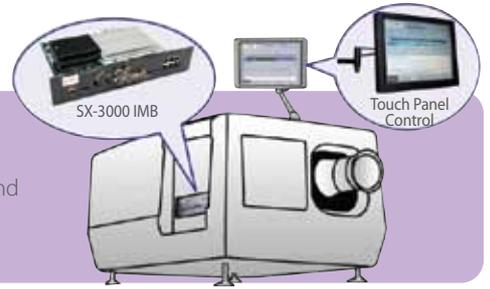
SX-3000 IMB *Standalone*

" GDC Technology is proud to introduce the new SX-3000 Standalone Integrated Media Block (IMB), our industry first standalone IMB which eliminates the need for an external file server. "

G·D·C

Powering your digital cinema experience

GDC SX-3000 Standalone Integrated Media Block (IMB)

Every function you could possibly wish for your digital cinema in a single media block
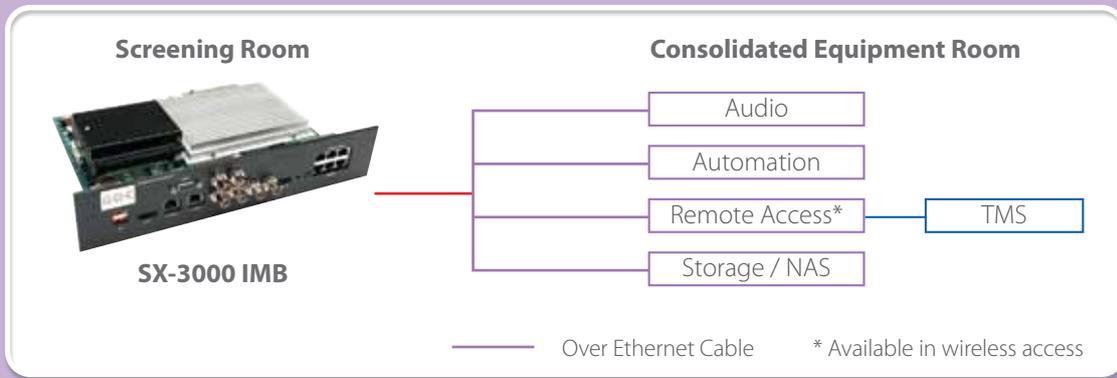
Why choose SX-3000 Standalone IMB?

SX-3000 IMB

Touch Panel Control

1

Lower Maintenance Costs

The SX-3000 eliminates the need for an external file server and comes with SMS software and optional built-in storage.

2

Lower Operation Costs

The SX-3000 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 suitable for boothless design.

Screening Room	Consolidated Equipment Room

SX-3000 IMB

Audio

Automation

Remote Access* ——— TMS

Storage / NAS

——— Over Ethernet Cable   * Available in wireless access

3

Higher Frame Rates

The SX-3000 supports higher frame rate content in 2D and 3D (48fps & 60fps per eye).
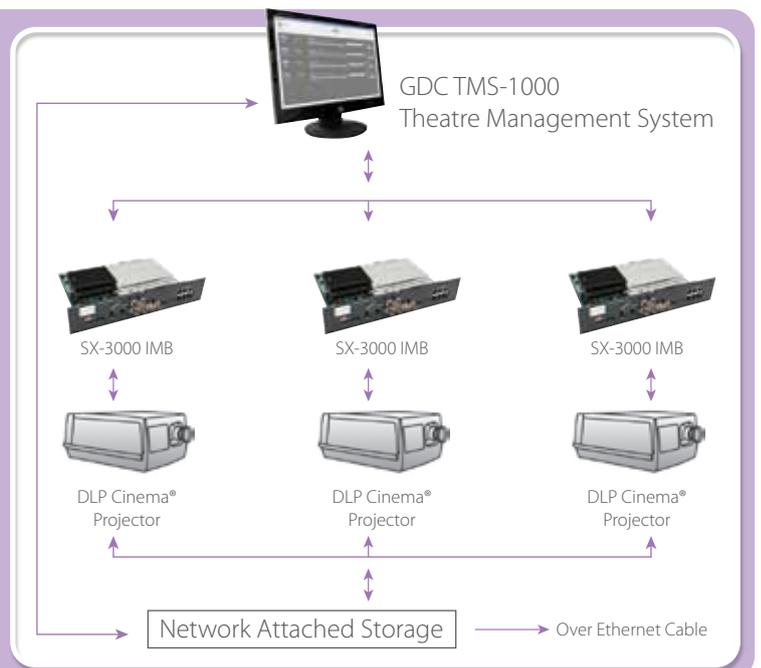
4

All Image Solutions

The SX-3000 supports SD, HD, 2K and 4K resolution.

5

Flexible Storage Options

The SX-3000 offers:

1. Internal storage options.
2. External storage via Ethernet, eSATA or USB.
3. Playback of DCP from TMS in real-time is supported.

GDC TMS-1000
Theatre Management System

SX-3000 IMB   SX-3000 IMB   SX-3000 IMB

DLP Cinema®   DLP Cinema®   DLP Cinema®
Projector   Projector   Projector

Network Attached Storage   ———▶ Over Ethernet Cable

6
Comprehensive Support for Alternative Content
The SX-3000 supports HDMI input, 3G HD-SDI input and network live streaming. It also supports image scaling from HD to 4K.

7
Live 3D Support (Optional)
The SX-3000 comes integrated with 3D Demuxing# (side-by-side) which makes receiving high-quality 3D broadcasts possible. It also provides a built-in integrated 3D receiver-decoder to seamlessly support 3D Live broadcast without requiring additional receiver-decoder.
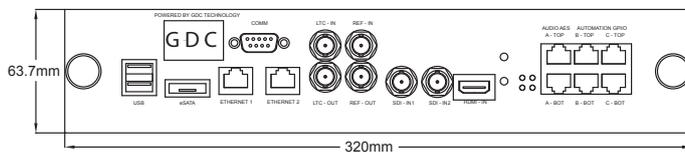
RealD LIVE and SENSIO® Hi-Fi 3D Live support available
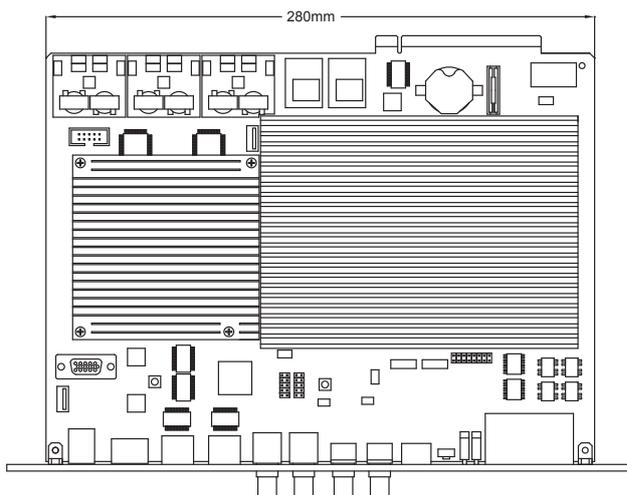
8
Security Safeguards
The SX-3000 is designed to meet FIPS-140 and DCI compliance.
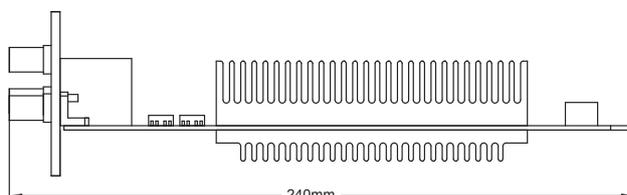
SX-3000 Standalone IMB Technical Specifications

Physical

Dimensions	320(W) x 240(D) x 63.7(H) mm
Weight	1.5 kg

Environmental

Operating temperature	5℃ to 40℃ (41°F to 104°F)
Operating humidity	20% to 90%, non-condensing
Operating altitude	10,000 ft. above sea level

Power

Max power consumption	75W

Video Specifications

JPEG 2000	4K – 24p (2D)
	2K – 24, 48, 60 (2D)
	2K – 24, 48, 60 (3D)
MPEG 2/MPEG 4	SD/HD
Packaging	SMPTE Digital Cinema Package (DCP), Interop DCP, DSR®

Audio Output

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

System Interfaces

Ethernet 1 and 2	2 x RJ-45 (1000 BaseT)
eSATA	x 1 (external storage)
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 SD HDI	x 2 (alternative content input)
8-port GPI/Os	4 x RJ45 (8 GPIs and 8 GPOs)
RS232	Debug port

Built-in Storage (Optional)   64 GB*

Security   AES 128-bit encrypted data storage Civolution (NexGuard®) forensic watermarking

Subtitles   Subtitle overlay Projector Cinecanvas support

User Interface

PC / Mac / SX-2000 server control	Remote access to the screen management system (SMS)

Third-party Integration Options

TMS	GDC, Third-party*
3D system	RealD, Dolby 3D, MasterImage, active systems
4D system	D-BOX Motion Code™, 4D plex
Closed Captioning Device	USL WGBH (Rear Window Captioning Device)

Integrated 3D Live Specifications

Video	MPEG 2/ MPEG 4
Audio	Dolby Digital (AC-3)* / MPEG 2 audio
3D Demuxing	Side by side / Third-party#
Stream Format	UDP Multicast of MPEG 2 Transport Stream

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* Supports Dolby Digital (AC-3) in pass-through mode only, which requires external AC-3 decoder or sound processor for integration

* Subject to customers' requirement and availability

* Please check with your TMS provider

SX-3000 Standalone IMB Technical Drawings

Front View

63.7mm

320mm

Top View

280mm

Side View

240mm

G·D·C

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