

SX-3000

Standalone

Integrated Media Block™

Every function you could possibly wish for your digital cinema in a single media block



SX-3000

**Standalone
IMB™**

“ GDC Technology is proud to introduce its Standalone Integrated Media Block™, the SX-3000, the industry's first Standalone IMB™ which eliminates the need for an external file server. ”

Powering your digital cinema experience

G·D·C

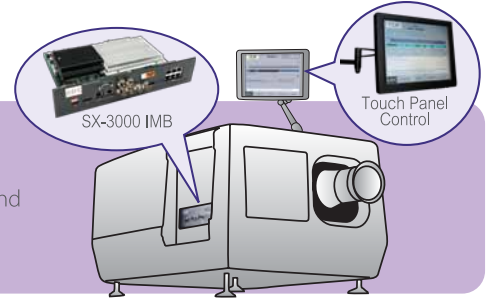
www.gdc-tech.com

GDC's Standalone Integrated Media Block™, the SX-3000

SX-3000 Standalone IMB™

Every function you could possibly wish for your digital cinema in a single media block

Why choose GDC's Standalone IMB™, the SX-3000?



1

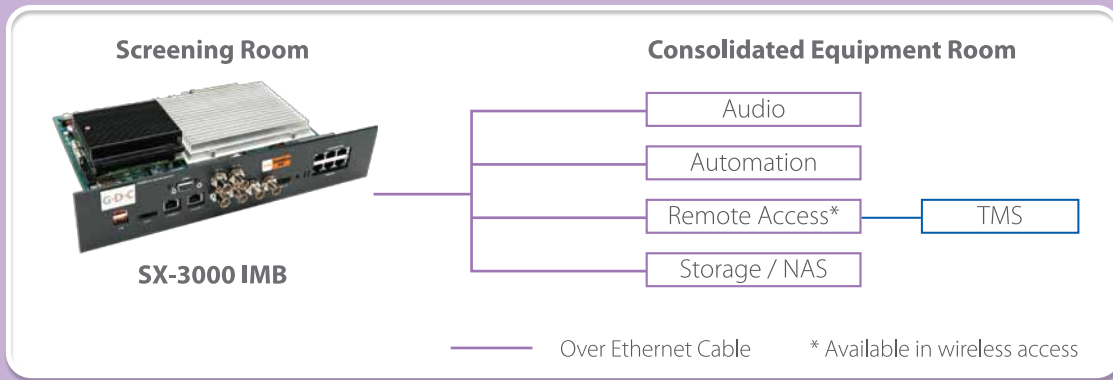
Lower Maintenance Costs

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.



3

High Frame Rate

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

4

All Image Resolution

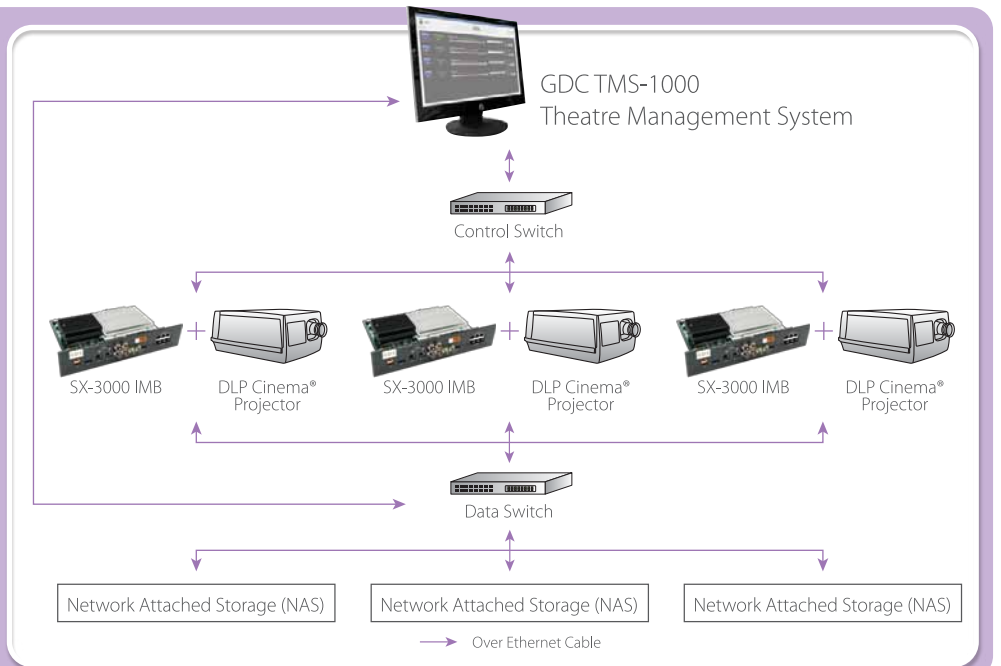
The SX-3000 supports SD, HD, 2K and 4K resolution.

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.



6

Comprehensive Support for Alternative Content

The SX-3000 supports HDMI input, 3G-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 decoder to seamlessly support 3D Live broadcast without requiring additional decoder.

RealD LIVE and SENSIO® Hi-Fi 3D Live support available

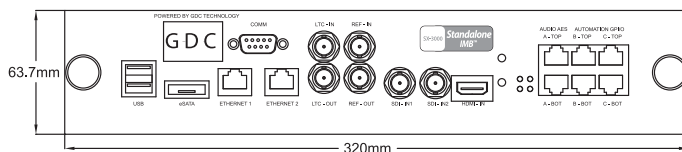
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Security Safeguards

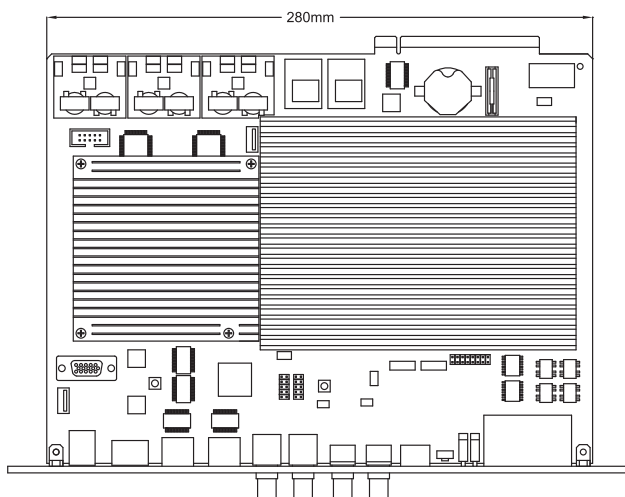
The SX-3000 is designed to meet FIPS-140 and DCI compliance.

Technical Drawings of GDC's Standalone IMB™, the SX-3000

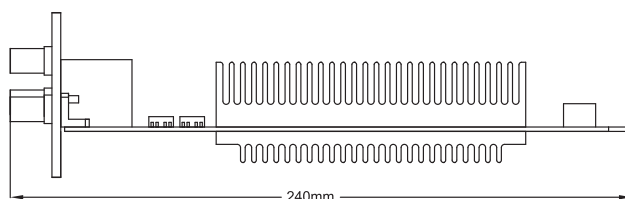
Front View



Top View



Side View



Technical Specifications of GDC's Standalone IMB™, the SX-3000

Physical

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

Environmental

Operating temperature 5°C to 40°C (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)
SD/HD
MPEG 2/MPEG 4 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-SDI 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®) forensics
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

* 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

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GDC Tech manufacturing facility is ISO 9001 : 2008 certified.

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