



INFINIDAT

**IZBox G3000** high-capacity NAS provides unmatched cost-effectiveness for near-line datasets. IZBox's unique feature set makes it your ideal storage product of choice for various workloads, such as: genomic research, life-sciences, cold storage and backup repositories.



**IZBox G3000 Series**

IZBOX SPECIFICATIONS

**CAPACITY**

Raw Capacity	1.44 - 1.92 PB
Total Usable Capacity	1 - 1.35 PB
Total Usable Capacity With Compression*	1.7 - 2.3 PB

\* Based on Compression seen at typical workloads

**PHYSICAL CHARACTERISTICS**

Peak Power Consumption	7 KW
Form Factor	Total 42U standard single rack

**PERFORMANCE FEATURES**

Memory	384GB (per Node)
SSD Extended Cache	8 TB - Accelerating I/O and NFS operations
Hotspot-free Design	Data placement utilizes all disk spindles

**CONNECTIVITY**

Ethernet Ports	4x 10GbE (Per Node), sustain 3.5GB/s
InfiniBand Ports	2x 56Gb (Per Node)
Protocol Support	NFSv3, CIFS

**AVAILABILITY AND PROTECTION**

Fully redundant hardware	Fully redundant and hot-swappable system components (disks, controllers)
Data Protection	Active-Passive redundant Nodes Double Parity RAID (double disk failure protection)
Automatic Self-Healing	Automatic system self healing of multiple disk failures as well as repair of silent data corruptions

**FEATURES**

Single namespace	Single share can span the entire system
Space Efficient Snapshots	Instant creation, Virtually Unlimited
Inline Compression	Zero performance impact.



## SUPERIOR RELIABILITY

With IZBox your data is fully protected by high-redundancy and fully fault-tolerant architecture with no single point of failure. IZBox boasts enhanced RAID6+ design and comprehensive end-to-end data integrity checking.

## HYPERSCALE EFFICIENCY

IZBox provides over 1 Petabyte of usable capacity (and can be further augmented using built-in compression) in a single standard 42U rack with support for NFS and CIFS protocols.



## ENHANCED CAPACITY THROUGH COMPRESSION

IZBox includes transparent inline compression that significantly increases its usable capacity beyond the 1PB baseline, with zero performance impact. Its adaptive compression engine optimizes for genomic data types and provides superior compression efficiency.

## SIMPLE AND POWERFUL MANAGEMENT

IZBox's array of convenient management tools include a simple, elegant HTML5 GUI, command-line interfaces and a flexible RESTful API. Using the tool that best suits your needs, you can scale to hundreds of PB with minimal operational overhead.



## DISRUPTIVE PRICE

IZBox's baseline cost per usable TB is already highly competitive. With inline compression factored in, its effective cost per TB is genuinely disruptive.



## BUILT-IN SNAPSHOT AND REPLICATION CAPABILITIES

The IZBox all-in-one software license includes flexible differential snapshot capabilities and asynchronous remote replication, enabling advanced data protection and workflows.



## GOING GREEN

Designed as a "green", energy-efficient system, IZBox's total power consumption is only 7KW per usable PB of uncompressed capacity.