



ObjectMatrix

# MatrixStore

The Media Focused Private and Hybrid Platform Built  
on Award Winning Object Storage Technology

**MatrixStore is the media focused private and hybrid cloud storage platform that enables organisations to benefit, financially and operationally, by modernising video workflows and providing instant access to all media assets. Built upon object based storage technology, MatrixStore provides digital content governance through an integrated and automated storage platform supporting multiple media based workflows, whilst providing a secure and scalable solution for all your data storage requirements.**

## The Integrated Hybrid Cloud Storage Platform

MatrixStore object storage has been implemented by the media companies (small and large) to keep their content available at all times in highly protected nearline, archive and hybrid workflows. MatrixStore provides a secure, scalable and searchable repository for all your digital assets. The solution can be deployed on-prem for local usage, on-prem as a hybrid storage solution linking seamlessly with public cloud, in a data centre as a private cloud, or supplied as a service (MaaS). MatrixStore is more than just a file system, it provides a proven digital content governance supporting both internal and external business rules with tight public cloud integrations putting your content where you need it, when you need it.

## Who uses MatrixStore?

Since 2006 MatrixStore has been protecting digital content for national broadcasters, post facilities, production, VFX and utility companies, banks, content delivery networks, VOD providers, content creators, and global content distributors. Such is the flexibility and reliability of MatrixStore it can be used across multiple workflows and departments within those organisations.

### MatrixStore Benefits

- Puts your content where you want it, when you want it, from ingest and nearline to archive and cloud
- Increases operational efficiency through tight workflow integrations and automation
- Limits disruption with built-in disaster recovery and business continuity
- Enables global collaboration and empowers creativity
- Reduces management overheads and increases productivity
- Ensures your content is future proof in performance, capacity, workflow and access
- Enables all archive assets to be monetised
- Digital Content Governance meets regulation compliance demands, providing high-levels of data security, auditing and searchability



## MatrixStore Specification

- Intelligent data and metadata protection ensures you will always be able to find, use and share your content with internal or external teams
- Future proof and non-disruptive scale ensures you will never run out of room for your 8K videos, photography stills or project documentation
- Business rules support to ensure your organisation is seen to put data protection, audit and content security first
- Built in disaster recovery & business continuity ensures organisations can keep working in the event of a local outage
- Unique Process-in-Place (PiP) functionality processes the data where it lives providing a platform to put AI at the heart of your workflows
- Standard interfaces and formats ensure you are not tied into a proprietary platform (SMB, NFS, FTP, S3 and MatrixStore API access)
- MatrixStore works with the tech you work with ensuring a smooth and seamless integration into your daily workflows: Avid, Adobe, Vidispine etc.

## MatrixStore Quick Facts

- Digital Content Governance & Object Storage Technology
- Full metadata & business rules support
- Integrated into many file based & IP workflows
- Data security, tight access controls (AD) & full audit
- Vaults providing multi-tenancy & protection options
- Disaster recovery & business continuity
- Built in Process-in-Place (PiP) (IMF, AS11, XMP etc.)
- Access via API, MXFS, S3, SMB, NFS, FTP and Vision
- Future proof scale in capacity & workflow

## Accessing MatrixStore

It is possible to access content in MatrixStore using a wide variety of applications via the MatrixStore API, S3, SMB or NFS. We also provide the following applications that provide MAM, file system, web browser, Avid Media Central and FTP and to name a few. More importantly MatrixStore also comes with native file system to object storage access via the free MXFS application that runs on Windows, Mac and Linux.



*“MatrixStore manages itself, we just manage the data on and off the system.”*

**- Rhodri James, Technical Director, Gorilla**



Product	MatrixStore Enterprise	MatrixStore Quattro
<b>Cluster Capacity (Usable)</b>	120 Terabytes to 120 Petabytes	36TB to 128TB
<b>Node Capacity (Raw)</b>	48, 96, 120, 144, 168, 240, 288, 336, 384, 720, or 960TB	12, 16, 20, 24, or 32TB
<b>Number of Drives per Node</b>	2u nodes: 12 bay or 24 bay 4u nodes: 24 bay or 60 bay	Quattro: 2u, contains 4 nodes with 2 bays per node
<b>Minimum Configuration</b>	From 3 MatrixStore Nodes	4 Nodes or 3 Nodes and 1 Hub
<b>Number of Copies</b>	Single, Dual (local and remote)	Single, Dual (local and remote)
<b>RAID Protection</b>	RAID6	None
<b>Node Power</b>	Dual redundant (12 bay 1200W, 24 bay up to 1600W, 60 bay 2000W)	Dual redundant 920W
<b>Node Connectivity</b>	Dual 10GbE/40GbE	1GbE/10GbE
<b>Number of Ports Required on Client Network (Per Node)</b>	2	2
<b>Supported Network Connectivity</b>	RJ45, SFP+ (Copper or Fibre)	RJ45
<b>Dimensions (2u)</b>	12 bay (d: 67.5cm, w: 48.26cm, h: 9cm) 24 bay (d: 34"/86.3cm, w: 43.7cm, h: 89mm) - requires 42" rack space depth total	2u (d: 74cm, w: 48.26cm, h: 9cm)
<b>Dimensions (4u)</b>	4u (d: 67.5cm, w: 48.26cm, h: 18cm)	4u (5°C - 35°C, 41°F - 95°F, 8% - 90% non-condensing)
<b>Operational Temperature and Humidity</b>	2u 12 bay / 24 bay (10°C - 35°C, 50°F - 95°F, 8% - 90% non-condensing) 4u (5°C - 35°C, 41°F - 95°F, 8% - 90% non-condensing)	



<b>Node Size (Raw)</b>	2u 12 bay	2u 24 bay	4u 24 bay
<b>Power Consumption (Reboot)</b>	197 Watt	335 Watt	650 Watt
<b>Power Consumption (Idle)</b>	165 Watt	245 Watt	280 Watt
<b>Power Consumption (Load)</b>	791 Watt	445 Watt	490 Watt
<b>Thermal Rating (Typical)</b>	562.65 - 671.77 BTU/hr	835.45 - 1142.35 BTU/hr	1003 - 1100 BTU/hr
<b>Thermal Rating (Maximum)</b>	4092 BTU/hr	5456 BTU/hr	4092 BTU/hr



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## GET IN TOUCH

To learn more about MatrixStore, please visit our website  
or contact us via the details below.



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