

VIVIBIT<sup>®</sup>

# E1005

## Desktop Data Infrastructure



### High-Bandwidth

1Tbps Full-Mesh  
Interconnect  
Architecture



### High-Performance

Max 120-core ARM v9  
N2 processor



### Massive Storage

Max 900TB NVME  
SSD



### High-Performance Computing

Max 1.5PFLOPS



**RTX 4000 SFF 20G ECC**

Next Generation Data Infra for AI Era

### Product Introduction

E1005 is a flagship data infrastructure for large film production and post-production, equipped with 8-120-core ARMv9 N2 CPUs, 960GB DDR5 RAM, and 900TB all-flash storage. Boasting 1.5 PFLOPS compute, 1 Tbps backplane, and 10×10GbE ports, its Training-Inference Architecture supports local deployment of 100B+ parameter models for film AI. A distributed cooling system with 180 CFM airflow ensures stable high-load performance. Designed for Hollywood projects, it enables end-to-end workflow collaboration, driving film digital transformation.

### Product Capability



Complex Visual  
Effects Rendering



Massive 8K RAW Footage



Real-time processing  
of large-scale projects



Supports multiple users  
collaborating simultaneously



Deployment of  
100B+ parameter models.



Multi-location  
Collaborative Production

### Core Application



**DIT On-Site Data Management**

Footage Secured & Archived in Seconds.



**Local Large Models**

Training-Inference Architecture enables  
local deployment of film/TV pro models.



**UHD Post-Production**

End-to-end UHD lossless output for color  
grading, VFX, and compositing.



**Real-Time Collab Asset Editing**

Multi-location editors sync frame cutting  
& materials in real time.



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	<b>MX108s</b>	<b>MX124</b>
Storage	U.2/E3/M.2 120TB Max	U.2 180TB Max
CPU	8 Cores ARMv9 Neoverse N2	24 Cores ARMv9 Neoverse N2
Memory	Max 48GB DDR5	Max 192GB DDR5
GPU Model	MX102/MX103	MX102/MX106
GPU Memory	16GB HBM2e	20GB
GPU AI	80TFLOPS/160TOPS	306.8TFLOPS
GPU Codec	128 streams @1080P30	140 streams @1080P30
vLink	4 x 10GbE	4 x 50GbE
LAN (RJ45)	2 x 10GbE	2 x 10GbE
PCIE	PCIe3.0	PCIe5.0
USB3.1	1 x Type-C 1 x Type-A	1 x Type-C 1 x Type-A



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