

Media & Entertainment Storage Solutions

This guide introduces Infortrend Media & Entertainment (M&E) storage solutions featuring comprehensive hardware and software products.

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Summary

Infotrend offers comprehensive storage solutions for today's media and entertainment (M&E) industry that processes 4K and higher-definition multimedia files with industry leading multimedia editing software – DaVinci Resolve, Adobe Premiere Pro, and Apple Final Cut Pro. Infotrend's EonStor GS/GSe/CS models are ideal solutions targeting workgroups of all sizes that can adapt to various data storage and file sharing requirements. With a pre-installed DaVinci Resolve project server, multimedia technicians can easily collaborate on important files across multiple workstations. Infotrend provides a desktop utility for Windows and macOS clients—EonView. EonView can quickly connect their computers to Infotrend GS/GSe/CS storage systems and mount shared folders to the computers as a local disk for easy access.

Audience

This guide is intended for the Infotrend partners, customers, and employees who are interested in building up M&E storage solutions.

Terminology

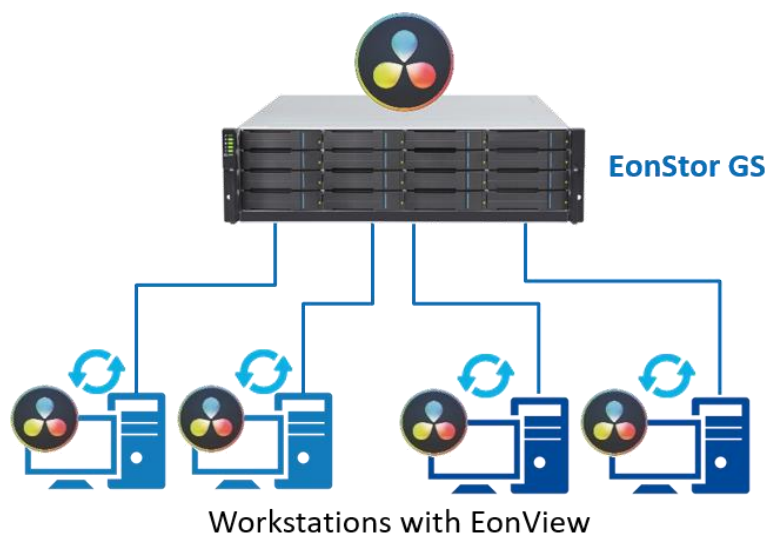
- **GS:** A shortened name for EonStor GS models.
- **GSe Pro:** A shortened name for EonStor GSe Pro models.
- **CS:** A shortened name for EonStor CS models.
- **EonOne:** The graphical management software for EonStor GS/GSe Pro/CS.
- **EonView:** The client desktop utility that communicates with Infotrend shared storage.
- **DaVinci Resolve:** A color correction and non-linear video editing (NLE) application.
- **DaVinci Resolve project server:** The project server dedicated to DaVinci Resolve for collaborative multimedia editing.

Hardware Products

Active-Standby Solution—GS¹

GS is dual-controller shared storage with a high-availability design and an active-standby configuration. One of its controllers is responsible for handling all workload while the other stays in a standby condition; if the controller in charge fails, the standby controller immediately takes over the workload to minimize system downtime for mission-critical projects.

GS offers corresponding redundant models—GS 2000T, GS 3000Gen2, and GS 4000 Gen2—to meet a variety of requirements. Suitable for SMBs and enterprises, GS can support up to 27 4K video streams along with comprehensive data protection.

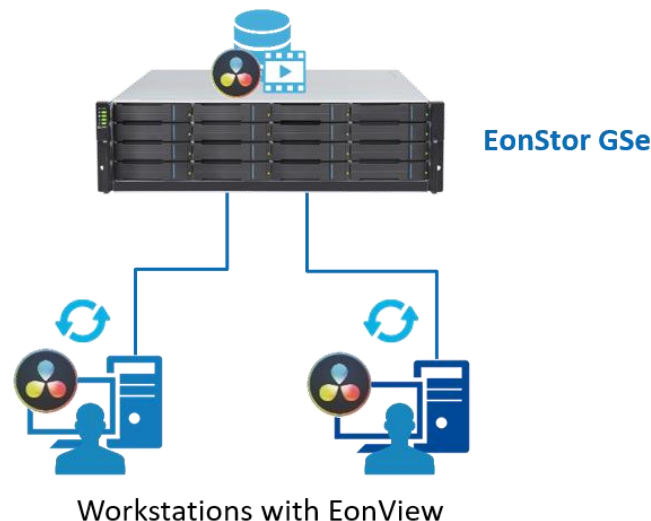


¹ Infortrend GS can be repurposed into a SAN-NAS integrated storage to store non-multimedia data.

Small Media Group Solution—GSe²

GSe is a single controller shared storage solution with high-capacity nearline drives or all-flash configurations exclusively designed for the media and entertainment industry. It comes in 3U 16-bay and 4U 24-bay form factors, has flexible host board options, and features a highly-scalable modular design.

The GSe models come in three levels—GSe 2000T, GSe 3000Gen2, and GSe 4000 Gen2. GSe 2000T is the most cost-effective solution that supports 13 4K video streams. As the best price/performance resolution, GSe 3000 Gen2 supports 18 4K video streams. GSe 4000 Gen2 is the ultra-high performance solution that supports 26 4K video streams.

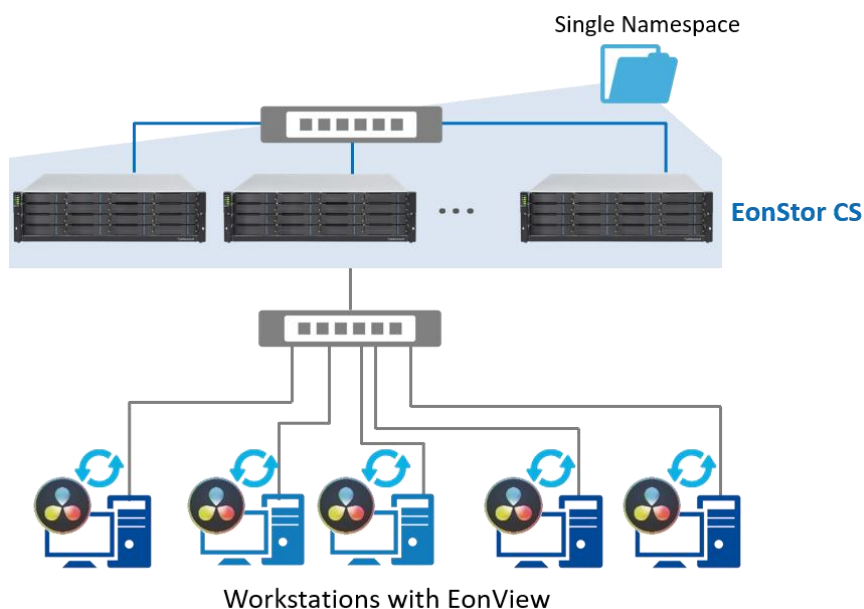


² Infortrend GSe can be repurposed into a SAN-NAS integrated storage to store non-multimedia data.

Large Scale M&E Solution—CS

As businesses grow, your current storage capacity and bandwidth might not be able to keep up with the growing requirements. Unlike traditional fixed-capacity solutions, CS allows adding more storage nodes into the cluster to increase both capacity and performance without interrupting system operation. By providing up to 100+ GB/s read/write throughput and 100+ PB capacity, CS can easily handle your massive media workloads.

CS 4000 is designed for large M&E workgroups that integrates single namespace and pre-installed DaVinci Resolve project server.

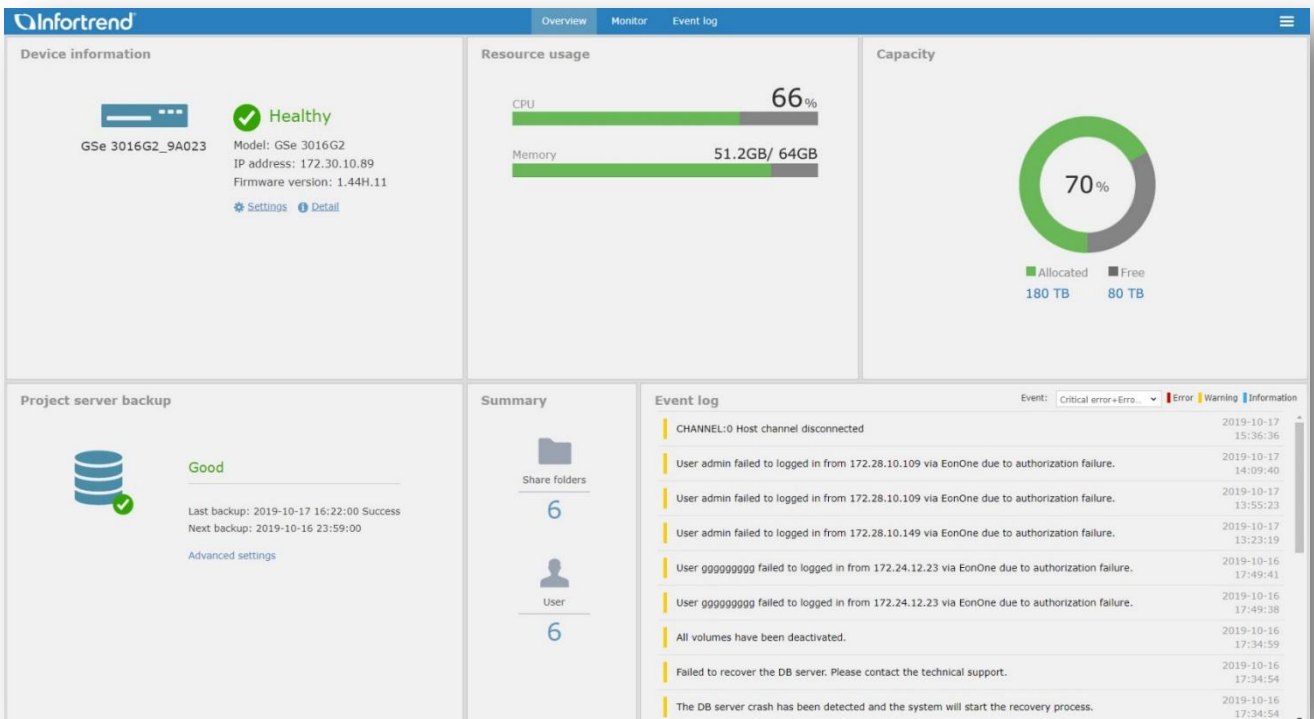


Software Products

Storage Management Interface—EonOne

EonOne is a storage management tool for Infortrend EonStor GS, GSe, and CS models. EonOne comes with two administrative accounts for different management purposes:

- **M&E User Administrator:** This administrative account is able to handle local user accounts, users' storage quota, and basic network settings. EonOne provides a smart built-in setup wizard to help this administrator complete basic networking and storage configurations. For more information, check the **EonOne User Manual for Multimedia Administrator**.
- **System Administrator:** This administrative account is able to configure and manage advanced storage configurations, data services, and hardware/software maintenance. For more information, check the **EonOne User Manual**



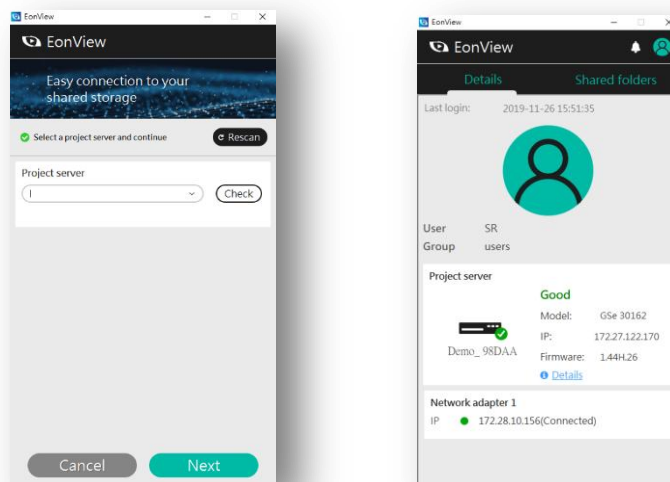
EonOne for the M&E User Administrator

Client Desktop Utility—EonView

EonView is a client-based utility designed by Infortrend for Windows and macOS workstations. When installed with EonView, the clients can automatically detect the IP address of the GS/GSe/CS storage, and mount corresponding shared folders for immediate access. EonView simplifies the access to your shared storage and facilitates smooth collaboration.

EonView comes with these advantages:

- **Finding shared storage:** EonView locates shared storage over the network.
- **Mounting shared folders:** EonView mounts all accessible shared folders on the client and ensure that all clients use identical mount points for file access.
- **Sending notifications in real time:** EonView informs the client of critical system events in real time.
- **Auto-execution:** EonView automatically launches right after the client is powered on.
- **Flexible credential-based access:** Multimedia technicians can use their own login credentials to freely access files via a different workstation computer, without resetting the environment.



For more information, check **EonView User Manual** and **EonView Application Note**.

Deploying Shared Storage

Follow the steps to quickly deploy your shared storage and EonView:

1. The administrator logs in to the shared storage as **M&E User Administrator**. Then, the administrator continues to configure RAID, user credentials, and shared folders with the setup wizard.
2. Each client installs EonView on the computer.
3. Each client logs in to EonView. After login, EonView automatically connects to the shared storage and mounts accessible shared folders to the client computer.
4. All the clients can start collaborating on files on the GS/GSe/CS shared storage.

Conclusion

Infortrend offers a comprehensive set of hardware and software products for multimedia storage. GS is high availability storage with dual controllers and active-standby configuration. When a controller fails, the other controller immediately takes over the workload, ensuring minimum system downtime. With the redundant design, GS makes a perfect fit for mission-critical applications. GSe, with a single controller, is designed for budget sensitive or less critical applications. CS targets on large-scale workgroups and post-production studios with more than 10 workstations. In sum, Infortrend GS/GSe/CS M&E storage solutions are integrated with a project server and can achieve collaborative multimedia editing using DaVinci Resolve, Adobe Premiere Pro, and Apple Final Cut Pro.

Legal Information

All Infortrend products, including the product/s that customers have purchased from Infortrend, are subject to the latest Standard Warranty Policy available on the Infortrend website:

<https://www.infortrend.com/global/Support/terms-conditions>

Infortrend may from time to time modify, update or upgrade the software, firmware or any accompanying user documentation without any prior notice. Infortrend will provide access to these new software, firmware, or documentation releases from certain download sections of our website or through our service partners. Customer will be responsible for maintaining updated version of the software, firmware, or other documentation by downloading or obtaining from Infortrend, and installing designated updated code, including but not limited to firmware, microcode, basic input/out system code, utility programs, device drivers, and diagnostics delivered with Infortrend product.

Before installing any software, applications or components provided by a third party, customer should ensure that they are compatible and interoperable with Infortrend product by checking in advance with Infortrend. Customer is solely responsible for ensuring the compatibility and interoperability of the third party's products with Infortrend product.

Customer is further solely responsible for ensuring its systems, software, and data are adequately backed up as a precaution against possible failures, alternation, or loss. For any questions of hardware/ software compatibility, and the update/ upgrade code, customer should contact Infortrend sales representative or technical support for assistance.

To the extent permitted by applicable laws, Infortrend will NOT be responsible for any interoperability or compatibility issues that may arise when (1) products, software, or options not certified and supported by Infortrend are used; (2) configurations not certified and supported by Infortrend are used; (3) parts intended for one system are installed in another system of different make or model.

Trademarks

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Contact Information

Website

For more information of Infortrend's products and services, visit:

<https://www.infortrend.com/global/Home>

Customer Support

Contact your system vendor or visit the following support site.

<http://www.infortrend.com/global/Support/Support>