

Quantum.

Definition Studios Augments Its Production Workflow with a Critical Archiving Solution from Quantum



CASE STUDY

Australia's Definition Studios produces compelling, visually stunning documentaries for IMAX® cinemas and other giant screens around the world. To protect fast-growing volumes of high-resolution media, the company needed to integrate a new backup and archiving system into its production workflow. By selecting Quantum's Scalar® tape libraries, Definition Studios scaled capacity while gaining the efficiency and reliable performance to continuously archive and backup highly valuable content.

Definition Studios began as a post-production house, based at Fox Studios, Australia. But after more than a decade of working on blockbuster films, the organization's founder decided to change the company's focus. Today, Definition Studios produces captivating nature and history documentaries for giant screens.

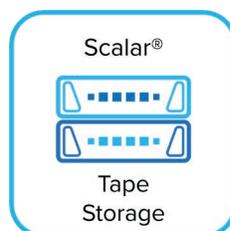
To create these larger-than-life films, the team at Definition Studios works with tremendous volumes of 4K video and other high-resolution media. "Content creators are generating more high-resolution media than ever before," says David Gross,

DEFINITION STUDIOS

“We have millions of dollars riding on our backups and archived data. We know we can rely on Quantum.”

David Gross
Founder, Definition Studios

FEATURED
PRODUCTS





SOLUTION OVERVIEW

Quantum Scalar® i3
Tape Libraries

KEY BENEFITS

Gained robust, reliable performance for protecting irreplaceable media content.

Scaled archive and backup capacity to support more clients and high-resolution media.

Enhanced efficiency of archive and backup storage with large capacity in a small footprint.

Boosted client confidence by selecting the highly regarded Quantum platform.

Simplified system deployment and support by choosing a vendor with local distribution and maintenance.

“We have the Quantum tape library running alongside an existing tape library from another vendor. The Quantum system is much more efficient—it provides higher capacity in a significantly smaller footprint.”

David Gross
Founder, Definition Studios

founder of Definition Studios. “We receive between 30 and 100 terabytes of data every week from our productions.”

All of the raw data that Definition Studios receives must be archived immediately—even before editors begin their work. “We make two or three copies of data, right away,” says Gross. Then, as the production proceeds, work-in-progress content is backed up frequently. “We have to protect these massive investments. We back up more than \$100 million in film shoots per year.”

As Definition Studios adds clients—and as those clients deliver higher-resolution files—the production company must back up and archive more and more data. “In the past, we might have backed up 10 terabytes a week,” says Gross. “Now we’re backing up 10 terabytes every 12 hours.”

To protect all of that data, Definition Studios needed to expand its backup and archiving capacity, integrating a new system into its production workflow. Above all else, the new system had to be reliable. The

company must be able to back up data around the clock and continue preserving that data for years.

Selecting a Familiar, Highly Regarded Quantum Solution

When evaluating new archiving and backup solutions, Quantum was a clear favorite. Definition Studios had purchased Quantum LTO drives several years earlier, and the team had a positive experience.

Moreover, the Definition Studios team knows that production and post-production houses around the world rely on Quantum.

“Whenever we talk to people in the industry, Quantum is a top choice for storage,” says Gross. “And since our team is familiar with the Quantum platform, it made sense to stick with Quantum.”

Local distribution and support further tipped the scales toward Quantum. “With some vendors, you have to ship systems across an ocean for any repairs,” says Gross. “It’s great to have an Australian supplier for the Quantum system. It’s a locally sold solution—with local support. That’s big for us.”

The Definition Studios team deployed the Quantum Scalar i3 tape library with LTO-8 drives. The library is integrated with the company’s production storage in a seamless end-to-end workflow.

Scaling Capacity, Enhancing Storage Efficiency

By adding the Quantum system to the storage environment, Definition Studios has substantially expanded its capacity. “We can add clients, and take on more projects, while still maintaining the two or three copies of files that our clients require,” says Gross.

The Scalar tape library stores all of that content in a relatively small data center footprint. “We have the Scalar tape library running alongside an existing tape library from another vendor. The Quantum system is much more efficient—it provides higher capacity in a significantly smaller footprint,” says Gross. “We get 50 slots in less space than a 40-slot system from another vendor.” A smaller footprint translates into real estate and power savings. “By using less space, the Quantum system is saving us money,” says Gross.

Gaining Reliable Non-Stop Performance

The team at Definition Studios knows that not all storage systems can deliver the same level of reliability. “We’ve had other storage systems that have failed after only a few years of use,” says Gross. “But thankfully, the Scalar system is another story.”

Definition Studios trusts the Quantum system to preserve and protect irreplaceable content.

“With Quantum, we have a platform that will grow with us. We can accommodate fast-growing data volumes and support our end-to-end production workflows for years to come.”

David Gross
Founder,
Definition Studios



“We have millions of dollars riding on our backups and archived data. We know we can rely on Quantum,” says Gross.

The tape library helps ensure steady performance and high availability despite constant operation. “The tape library is running continuously—24/7, without human operators. The robots do not stop,” says Gross. “Since we’ve deployed the Quantum tape library, it hasn’t skipped a beat.”

Boosting Client Confidence

Storage reliability helps Definition Studios attract and retain clients. “Using Quantum systems gives our clients confidence and a sense of comfort with our services,” says Gross. “They know they can rely on us to protect their media, because they know that Quantum makes dependable systems.”

Preparing for Continued Growth

With the new system in place, the Definition Studios team is better prepared for the future. “With Quantum, we have a platform that will grow with us,” says Gross. “We can accommodate fast-growing data volumes and support our end-to-end production workflows for years to come.”

ABOUT DEFINITION STUDIOS

Based in Byron Bay, Australia, Definition Studios has transformed itself from a premiere post-production house in Fox Studios Australia to a show-running operation that produces IMAX® feature film documentaries. In October 2022, Definition Studios collected the prestigious Giant Screen Cinema Association Industry Award for Best Film for its film, *Serengeti: Journey to the Heart of Africa*.

Quantum

Quantum technology, software, and services provide the solutions that today’s organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum’s end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit www.quantum.com.

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