



# rdx® QUIKSTOR

## Reliable and Portable Storage Solutions for Video and Broadcasting Professionals

- Store 31hrs of video\* on 3TB RDX HDD media
- Store 1 hour of video\* in less than 6 min with RDX SSD media
- Cross-platform support for Windows, Linux, Solaris & Mac environments

### REQUIREMENTS

Post-production is a distributed task involving multiple processes and operations: video edits, sound elements, special effects or computer-generated imagery. All of these production houses require a copy of the movie. Motion pictures are shot on video camera SSD cards, but are not used for distribution to the production houses because of costs, capacity limitations and lack of standardization.

### CURRENT LIMITED SOLUTIONS

External or bare hard disk are not designed for data transport and subsequently high failure rates occur. In addition, external disks have limited electrostatic protection. LTO tape drives are expensive to deploy and not as easy to install and use as disk solutions. Furthermore all production sites will require the same LTO drive generation and software for compatibility.

### RDX® THE PERFECT FIT

RDX QuikStor simplifies data handling for post-production workflow. The rugged design ensures easy handling and reliable operation in all environments (on-set and office, etc.). RDX is designed to withstand drops, shocks, vibrations and is the ideal medium for data transportation of videos during post-production processes. RDX drives are fully compatible with all RDX media, easy to deploy and very affordable.

### WORKFLOW INTEGRATION

- Plug & play installation
- Durable media & drives
- Rugged for courier delivery and handling
- Capacity matched to workflow requirements
- Easy & affordable data management

### INDUSTRY STANDARD RDX

- Business-grade storage
- Superior quality and reliability
- Fast growing user community
- Global OEM and system integrator adoption

### NEVER BECOME OBSOLETE

- SSD or HDD media
- More capacity, more performance
- Media compatibility and interchangeability

### THE POST-PRODUCTION WORKFLOW

1. Copy Movie Sequences to RDX
2. Duplicate and Distribute
3. Collect and Reuse for Next Project



\* ProRes422 (HQ) format, Resolution (1280x720, 50)

Positioning	HDD Media	SSD Media	WORM Media
Use Cases	Suitable for most storage applications	Premium media for high performance demands and harsh environments. Backup, restore of large datasets. Speed for use in work-flow or production environments.	Regulatory compliance storage device for document management applications, finance, video and voice recording, technical documentation
Backup	+	++	-
Archiving	+	-	++
Data Exchange	+	++	+/-
Advantages	Affordable, High capacity	Fast data access, High throughput	Meets regulatory requirements

Specifications	HDD Media	SSD Media	WORM Media
Capacity	500GB, 1TB, 2TB, 3TB	128GB, 256GB	500GB, 1TB
Performance			
Transfer Rate	USB 3.0: up to 120MB/s SATA: 45MB/s	<b>2x better:</b> USB 3.0: up to 260MB/s SATA: 45MB/s	USB 3.0: up to 120MB/s SATA: 45MB/s
Access Time	<15ms	<b>30x better:</b> < 0.5ms	<15ms
Compatibility	Compatible to all RDX drives		
Reliability and Data Integrity			
Unrecoverable Error Rate	1 error in 10 <sup>14</sup> bits read	<b>10x better:</b> 1 error in 10 <sup>15</sup> bits read	1 error in 10 <sup>14</sup> bits read
Drop Shock (non-operating)	1m drop to tile over concrete floor.	1.5m drop to tile over concrete floor.	1m drop to tile over concrete floor.
Load/Unload (minimum)	5000 insertion/removal cycles		
MTTF	550,000 Hours	<b>25x better:</b> 15,000,000 Hours	550,000 Hours
Environmental (operating)			
Temperature	10°C to 40°C (50°F to 104°F)		10°C to 40°C (50°F to 104°F)
Relative Humidity	20% - 80%, (non - condensing)		20% - 80%, (non - condensing)
Vibration	0.5G		0.5G
Altitude	-15m to 3,048m (-50ft to 10,000 ft)		-15m to 3,048m (-50ft to 10,000 ft)
Environmental (shipping)			
Temperature	-40°C to 65°C (-40°F to 149°F)	<b>20° larger temperature range:</b> -40°C to 85°C (-40°F to 185°F)	-40°C to 65°C (-40°F to 149°F)
Relative Humidity	8% - 90%, (non - condensing)	<b>8% more humidity tolerance:</b> 5% - 95%, (non - condensing)	8% - 90%, (non - condensing)
Maximum Wet Bulb	38°C (100°F), (non-condensing)	<b>Higher Wet Bulb temperature:</b> 40°C (104°F), (non-condensing)	38°C (100°F), (non-condensing)
Vibration	1G	<b>20x better:</b> 20G peak (Cartridge)	1G
Altitude	-15m to 10,660m (-50ft to 35,000 ft)	No limit	-15m to 10,660m (-50ft to 35,000 ft)
Archival Environmental			
Media Archive Life	<b>10x better:</b> 10 Years	Up to 1 year	<b>10x better:</b> 10 Years
Temperature	5°C to 26°C (41°F to 78°F)	Not specified	5°C to 26°C (41°F to 78°F)
Relative Humidity	8% - 90%, (non - condensing)	Not specified	8% - 90%, (non - condensing)
Maximum Wet Bulb	25°C (77°F), (non - condensing)	Not specified	25°C (77°F), (non - condensing)
Dimension (HxWxL)	23mm x 87mm x 119mm (0.9in x 3.4in x 4.7in)		
Weight	165g (0.364 lbs.) - 272g (0.600 lbs.) (HDD dependent)	130g (0.286lbs.)	165g (0.364 lbs.) - 272g (0.600 lbs.) (HDD dependent)

## Sales Offices

Sales and support for Sphere 3D products and solutions are available in over 90 countries. Contact us today at [sales@sphere3d.com](mailto:sales@sphere3d.com). For a full list of Sphere 3D addresses and phone numbers, please see our website at: <http://sphere3d.com/contact-us/>.

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