VISION RESEARCH
An AMETEK® Company

PHANTOM®
when it's too fast to see, and too important not to.®

DATA SHEET

CineStation®

An offline solution for working with cine content stored on Phantom CineMags

Key Benefits:

WORKFLOW SOLUTIONS FROM VISION RESEARCH

Our Phantom CineMags have been adopted as a breakthrough in the workflow for high-speed imaging. Mounted on a Phantom HD, P65, v12.1, v310, v640 and many future Phantom camera models, a CineMag holds 256 GB or 512 GB of raw cine files in safe non-volatile memory.

Because you can shoot directly to the CineMag, or quickly upload cines from the camera memory to the CineMag, you no longer have to wait for a lengthy file download before you can take your next shot with the camera.

At the end of the day, all that data on the CineMag needs to be managed.

With the Phantom CineStation, you now have an off-camera solution for viewing, editing and saving cines stored on a CineMag – no more need to tie up a valuable camera resource for these activities. Simply move a CineMag from a camera to the CineStation and use the Phantom camera control application or the simple Phantom Video Player application to quickly review each saved cine.

Video or Digital Raw Workflow

When attached to a video monitor using the standard dual-link HD-SDI or component video outputs, you can play, rewind, fast-forward, fast-reverse and single-step through saved cines. Make simple image corrections like gamma,

Key Features:

Download raw cine data from CineMag®

Record video playback from CineMag

4:2:2 & 4:4:4 standard playback

Tri-level genlock input

Optional 10Gb Ethernet for fastest cine download

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brightness, contrast and saturation. If you are using a video workflow, you can record the 4:2:2 or 4:4:4 video to a tape deck or disk array. The video outputs on the CineStation support a large number of standard video formats, and a tri-level genlock input allows for synchronization with multiple devices.

If using a digital workflow, save our uncompressed 14-bit linear raw cine files to a hard disk array via Gb Ethernet or the optional **10Gb Ethernet**. To save space, while previewing cines you can mark in-points and out-points so you save only those frames that contain the content of interest, or set up the CineStation to automatically download all takes from the CineMag.

10Gb Ethernet allows for the maximum download speed via fiber optic cable when coupled with fast PC, fast hard disk storage and connection. Save 512 Gigabytes of data in approximately 1 hour*, as opposed to 5 or 6 hours via standard Gb Ethernet. Save short high-speed takes in seconds instead of minutes.

10Gb Ethernet is the fastest way to download the tremendous amounts of data that high-speed imaging creates. This coupled with dual-link 4:4:4 video, make the Phantom CineStation the ultimate companion to the CineMag..

Phantom CineMags and CineStation – your workflow solution for high-speed imaging.

**Download time depends on speed of hard drive and its interface. Saving full 512 GB CineMag to a RAID5 array using SAS interface is confirmed at 70 minutes.*

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Save time without compromising image quality. Phantom CineStation now featuring 10Gb Ethernet & 4:4:4 HD-SDI video.

Additional Features:

Size: 10.25" x 6" x 3" (L x W x H); 26cm x 15.25cm x 7.7cm

Weight: 5 lbs; 2.3 kg

Power: 100-240VAC, 120 Watts

Inputs: Tri-level genlock, CineMag interface, AC power

Outputs: Gb Ethernet (shared with CineStation control), dual link

HD-SDI (4:4:4), Component Video (YPrPb), Optional 10Gb Ethernet

Control: Gb Ethernet, Optional 10Gb Ethernet

Focused

Since 1950, Vision Research has been shooting, designing, and manufacturing high-speed cameras. Our single focus is to invent, build, and support the most advanced cameras possible.

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