

## DATA SHEET

# Phantom HD GOLD

The GOLD Standard for  
High-Speed, HD Imaging



Camera pictured with optional accessories  
available from Vision Research & Abel Cine Tech

### Key Benefits:

There is no question the Phantom HD is accepted as the preferred digital video camera for high-speed imaging in the production industry. More than 100 Phantom HD cameras are in use today around the world. Many recent commercials, music videos and motion pictures have used Phantom cameras for their slow-motion effects\*.

Feedback from Phantom users drives our new camera development programs, and we have targeted our next-generation Phantom HD at improvements requested by those users. From "ease of use" to "improved image quality", the new Phantom HD GOLD delivers the next level of performance and reliability.

The Phantom HD GOLD is shipping standard as of July 2009 and available as an extensive hardware upgrade to any existing Phantom HD camera.

This Phantom HD GOLD upgrade includes:

- New internal cooling system, which means less need for Current Session References and eliminates all temperature induced artifacts
- New hardware components, which adapt latest technologies for improved noise levels and dynamic range
- Latest firmware, which takes advantage of new video encoder and advancements with the CineMag® interface
- Additional hardware, such as a newly designed Optical Low Pass filter which is larger and easier to keep clean, and tactical upgrades to on-camera control interface

Please contact your Vision Research sales representative or Phantom reseller for more details on acquiring this upgrade.

\*Visit [www.visionresearch.com/go/PHANTOMography](http://www.visionresearch.com/go/PHANTOMography) for some of the recent productions that have used Phantom cameras

### Key Features:

Up to 1000 frames-per-second (fps) at 1920 x 1080 or  
1500 fps at 1280 x 720, 550 fps at 2048 x 2048.

Adjust frame rate in 1 fps increments

Shutter speeds as fast as six microseconds  
(shutter angle from 1-360 degree)

14-bit sensor depth (42-bit color),  
active-pixel CMOS sensor

35mm depth-of-field

11 stop tonal range

Phantom CineMag® compatible

### 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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All specifications are subject to change without notice.

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