

PHANTOM HD HIGH SPEED CAMERA



The Phantom HD with Primo[®] prime lens

KEY FEATURES

- Up to 1052 fps at 1920 x 1080P resolution
- Up to 555 fps at full 2048 x 2048 resolution
- Uncompressed RAW data recording
- Panavision lens mount - fits all Panavision 35mm spherical and anamorphic lenses
- Hot-swappable Phantom CineMag 512GB memory magazines
- Untethered shooting
- Real-time playback
- 12.1 lbs / 5.5 kg
- Panavision accessories

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DIGITAL HIGH SPEED WITH 35MM FILM SIZED IMAGER

The Phantom HD CMOS sensor is 25.6mm square, or about the size of 35mm full aperture, and has a Panavision mount, so you can use any of our Panavision lenses. A 35mm sized sensor also means the familiar 35mm depth of field, for creative control of focus.

The CMOS sensor's 14-bit depth provides wide dynamic range and color. High speed images are recorded to the internal 16GB memory buffer. At 1920 x 1080 resolution, the buffer holds 4385 frames, which is almost 4 1/2 seconds at 1000 fps. Once the buffer is full, the clip can be trimmed and then transferred to the CineMag. At speeds below 450 fps, images can be recorded directly to the CineMag, for longer takes.

With 2 CineMags the camera is always ready to shoot, as one can be on the camera while the other is being downloaded to a hard drive.

Unlike many previous digital high-speed cameras, this is fully hand-holdable without the need to be connected to a computer.

The on-board memory can operate as a circular buffer for end-of-shot triggering, so you'll never miss the key moment.

The system records in Phantom RAW cine format, and also can be output as TIFF stacks, uncompressed Quicktime, DPX, DNG, AVI, and others.

SPECIFICATIONS and FEATURES

- Up to 1052 fps at 1920 x 1080 resolution
- Up to 793 fps at 1712 x 1432 resolution [full anamorphic image area] using Panavision anamorphic lenses
- EI 320
- Hot-swappable 512 GB CineMags
- Wide selection of Panavision lenses
- Compact and lightweight
- File-based workflow, simple download process
- Panavision lens mount and accessories
- 14 bit uncompressed RAW recording
- 4:2:2 HD-SDI real-time playback and monitoring output
- Easy to fly on steadicam rig or remote head system.
- Weight = 12.1 lbs / 5.5 kg