EAN 1033614 / EL-NR

Phantom TMX6410

The Phantom TMX 6410 utilizes a back side illuminated CMOS sensor designed for high-speed imaging. The 64 Gigapixel throughput allows for extreme frame rate speeds that are capable of delivering up to 1.5M fps with a 95ns minimum exposure time with our FAST option. All frame rates are actual data, with no interpolation, for the most accurate results. This is only possible because of the advancements of utilizing back side illuminated sensors in high-speed imaging. In BSI sensors, the metal components that can block incident light from the photodiodes are located in the back of the sensor, and can be designed to reduce processing overheads, making the power of a TMX possible.

At the full 1 Mpx resolution of 1280 x 800 the TMX 6410 records at almost 66,000 fps. The 6410 provides larger resolutions than possible before for applications needing high frame rates. For example, the 6410 can reach over 300,000 fps at 1280 x 160 or 640 x 320 (binned). These incredible speeds mean that data management is vital to ensuring as little downtime as possible. Like other TMX models up to 512GB of onboard RAM and the Phantom CineMag (non-volatile storage) data management options are available.

The TMX 6410 has access to all of the traditional Phantom features that make camera use easy. Both on-camera controls and compatibility with our Phantom Camera Control software assist in ensuring that researchers of a variety of industries and applications have the tools they need to make their experiments a success.

Interchangeable lens mounts (PL, C, M42 and Canon EOS) are also available to help customize the same camera to a variety of application needs.

Tekniske Data: