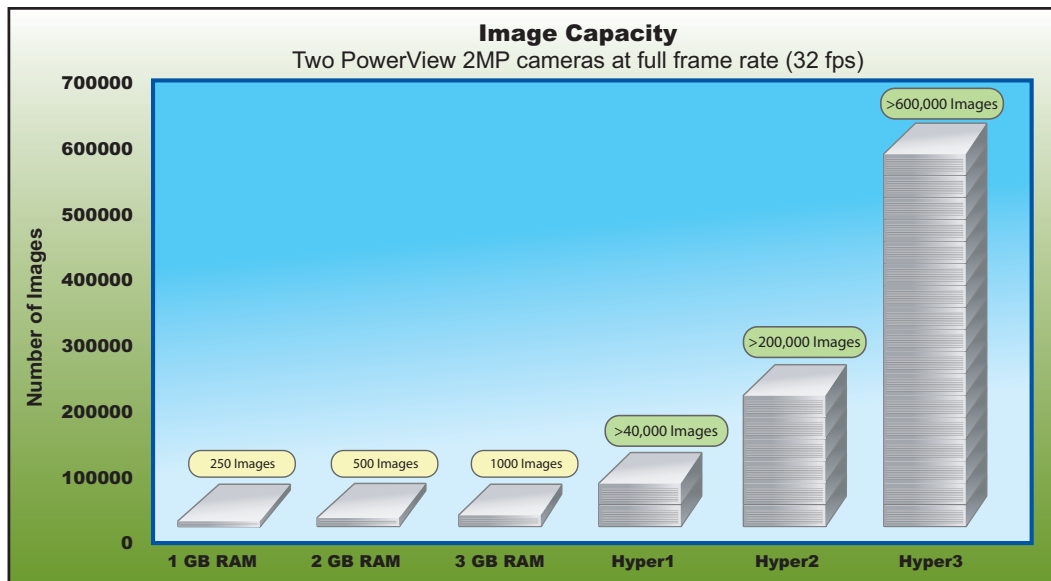


HYPERSTREAMING[™] IMAGE TRANSFER SYSTEM

The future of Global Imaging has arrived!

- *Stream images directly to the computer at full camera frame rate*
- *Hundreds-of-thousands of images (capacity selectable) captured continuously*
- *Finally, freedom from RAM space limitations and slow hard drives!*
- *No more missed frames or gaps in data sequence, permitting advanced statistical analysis*
- *Extraordinarily economical, compared to the cost of RAM memory*



HyperStreaming™ Image Transfer System

With TSI's new *HyperStreaming™* System for PowerView™ cameras, tens-of-thousands to hundreds-of-thousands of images* can be captured at full camera frame rate and transferred directly to the computer without random gaps in the time sequence caused by dropping frames. With the PowerView 2MP camera, for example, the *HyperStreaming* system allows over 20,000 images, or 12 minutes of continuous capture at 32 Hz, and further upgrades allow this to be extended to more than 300,000 images! When implemented in stereoscopic mode, each camera is equipped with an independent transfer system, doubling the number of images streamed to the computer in the same amount of time.

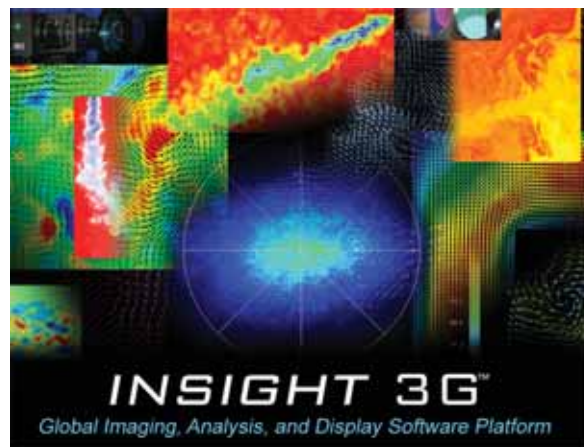
In order to extract detailed flowfield information from a series of images, it is often necessary to obtain a large sequence of vector fields with known and uniform time separation. This was not possible with previous systems, due to limitations in available RAM memory and bottlenecks associated with writing the images directly to the hard drive.

The *HyperStreaming* System eliminates these limitations, and allows direct streaming of hundreds-of-thousands of images directly to the computer at the full camera frame rate.

INSIGHT 3G™ Global Imaging, Analysis, and Display Software Platform

The *INSIGHT 3G* package features all of the tools needed for even the most advanced global imaging measurements, from our patented processing algorithms to the most elaborate data analysis features available. And now, equipped with the *HyperStreaming* Module, the power of the *INSIGHT 3G* Platform can be unleashed on enormous amounts of data, using features such as the POD Analysis Toolbox and distributed processing capability over a network of computers to quantify the flow properties of interest with the desired detail.

*Specific number of images depends upon camera model and the *HyperStreaming* storage capacity.



To order, select model Hyper1, Hyper2, or Hyper3, or contact your local TSI representative for assistance.



TSI Incorporated
Headquarters—Tel: +1 651 490 2811 **Toll Free:** 1 800 874 2811 **E-mail:** fluid@tsi.com
UK Tel: +44 1494 459200 **E-mail:** tsiuk@tsi.com **France** Tel: +33 491 95 21 90 **E-mail:** tsifrance@tsi.com
Germany Tel: +49 241 523030 **E-mail:** tsigmbh@tsi.com **Sweden** Tel: +46 8 595 13230 **E-mail:** tsiab@tsi.com
India Tel: +91 80 41132470 **E-mail:** tsi-india@tsi.com **China** Tel: +86 10 8260 1595 **E-mail:** tsibeijing@tsi.com

For current information
www.tsi.com