



# PSITECH SIROCCO 3-D

3-D HD AND 2K/4K DIGITAL CAPTURE SYSTEM  
4 CHANNEL HD UNCOMPRESSED RECORDER



*3-D CAMERA OF CHOICE*



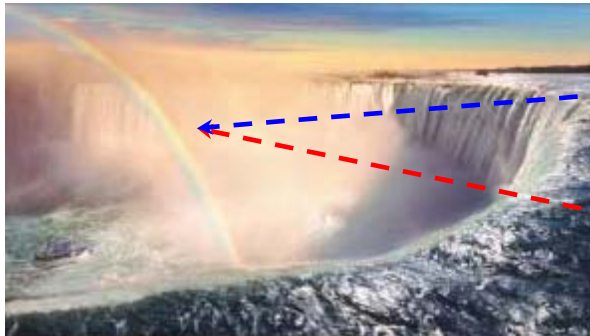
*PSITECH SIROCCO DUAL*

- ☑ CAPTURE AND RECORD DUAL-STREAM 3-D HD CONTENT DIRECTLY TO DISK
  - RECORD HOURS OF 3-D HD MATERIAL WITHOUT SWITCHING TAPES
  - NO COMPRESSION AND NO ARTIFACTS
- ☑ ULTRA HIGH SPEED CAPTURE AND STORAGE WITH REMOVABLE DISKS
  - CAPTURE RATES FROM 1.5 GBYTES TO 8 GBYTES PER SECOND
  - DUPLICATE 1 TERABYTE OF RECORDED CONTENT IN 15 MINUTES
  - STORAGE CAPACITY FROM 1 TO 12 TERABYTES IN SAME FOOTPRINT
- ☑ ULTRA FAST TRANSFER OF UNCOMPRESSED VIDEO TO ONLINE EDIT SYSTEMS
- ☑ VERY LOW LATENCY OF LESS THAN ONE FRAME
- ☑ FULLY SYNCHRONIZED CAMERAS
- ☑ FRAME ACCURATE CAPTURE
- ☑ REMOTE CAMERA CONTROL FROM GUI OR SHOT BOX
  - FOCUS, ZOOM, IRIS, EXPOSURE
- ☑ FLEXIBLE CONTROL SOFTWARE AND GUI
- ☑ INDUSTRY STANDARD HD TRANSPORT AND VIDEO FORMATS
  - SMPTE SINGLE LINK HD-SDI (1080P/30/24P/24SF, 720P/60)
  - SMPTE DUAL LINK HD-SDI 4:4:4 (DATA MODE)
- ☑ MULTIPLE INPUT AND OUTPUT OPTIONS
  - GIG-E; FIBRE CHANNEL
  - DIRECT FIBER FROM CAMERA TO SIROCCO (OPTION TO 6 MILES)
  - CAMERA LINK AND SLOW MOTION (HD @ 1000 FPS)
- ☑ PROVEN FIELD-HARDENED DESIGN

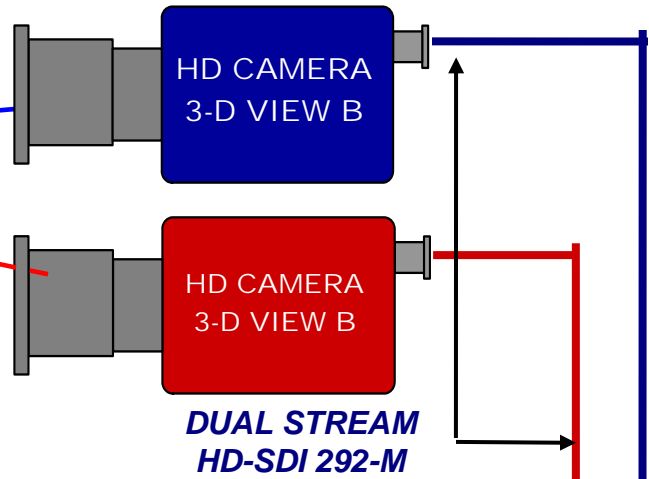
**Image Capture Without Compromise™**



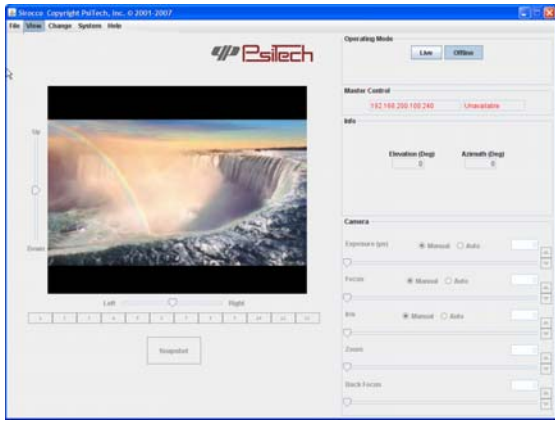
# SIROCCO - System Configuration for 3-D HD Capture



**SCENE OF INTEREST**



**DUAL STREAM  
HD-SDI 292-M**



**SOFTWARE  
CONTROL GUI**



**CONTROL NOTEBOOK**



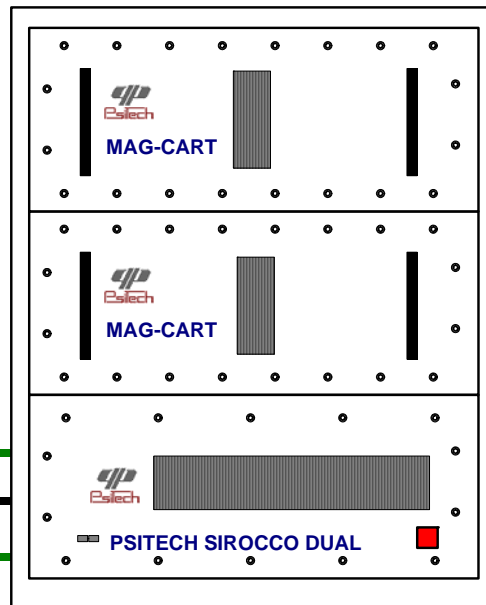
**HD DISPLAY**



**SHOT BOX CONTROL**

**ETHERNET**

**RS-422**



**Image Capture Without Compromise™**



## Sirocco 3D - Integrated Capture and Storage System Solution

The current technique and equipment in use to capture digitally in 3-D requires two separate systems – one for each camera – to record. The data must then be compressed independently for each of the two image streams. **RESULT:** Artifacts are introduced into the image streams independently of each other. The viewer then will see things through one eye differently from the other eye which can be very disruptive. In the **Sirocco 3-D system**, the **PsiTech system** provides two HD-SDI inputs for 3-D stereo capture and two HD-SDI outputs for 3-D stereo display. The digital data is streamed directly to **MagCart™** hot swappable disk storage, from 750 GigaBytes to 12 TeraBytes in size (same footprint). Data can be copied from one **MagCart™** to another quicker than the original recording speed. The system can be easily configured to run as long as necessary. Just add more and/or higher capacity **MagCarts™**. For 1920x1080 imagers, a **Sirocco 3-D Primero** system is required. This includes an, **RTSS** and **MagCart™** image management system and provides recording time starting at approximately 30 minutes. The **Sirocco 3-D system** also accommodates the new 4K cameras. Due to greatly increased data rates, a **Sirocco 3-D Quattro** system is required, providing additional capacity for the image management system while delivering recording time starting at approximately 30 minutes.

## PsiTech – A Proven Track Record of Performance

**PsiTech** has been providing high performance imaging solutions for over 25 years. We've built image display, capture and management systems for a number of mission critical applications including those in Strategic Air Command, Jet Propulsion Laboratory, and the U.S. Air Force. Our imaging systems help sort the mail in the US, UK and Australia. And feature films have utilized our systems for the development of special effects. We are committed to providing end-to-end turn-key imaging solutions to meet your specific requirements.

Contact us for more information.

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### Image Capture Without Compromise™