

**Vision eNews April 2008**

Dear Customer,

This eNews provides information on new Pan and Tilt Units, Cameras and Video Recording Software.

- PTU-D100 Intelligent Pan and Tilt Unit
- PTU-D300-EX High Torque Pan and Tilt Unit
- PTU-D48 Small IP67 Pan and Tilt Unit
- Inertial Stabilisation for D100 and D300 Pan and Tilt Units
- Lightning RDT High Speed Camera
- Real Time Video Compression using Cineform Codec
- StreamPix3 and Cineform Codec for HDTV Cameras
- StreamPix3/Cineform support for Toshiba 1K-HDI 1080C 3CCD Camera
- TroublePix 150-500 High End Laptop based recording

+++++

**PTU-D100 Intelligent Pan and Tilt Unit**

The PTU-D100 handles payloads up to 25lbs and offers many of the advanced features of the PTU-D300 including: internal wiring with slip-ring, top or dual-side mount, high performance. The Inertial Stabilisation Module (ISM) will also soon be available for the PTU-D100

Visit [PTU-D100](#) for further information

+++++

**PTU-D300-EX High Torque Pan and Tilt Unit**

The PTU-D300-EX builds on the very successful PTU-D300 family to provide higher torque for payloads to 90lbs. An all-steel gear drive provides superior performance for high duty cycle applications.

Visit [PTU-D300](#) for further information

+++++

**PTU-D48 Small IP67 Pan and Tilt Unit**

We are pleased to release preliminary information on a new PTU-D48 model. This exciting model is very small (<10lbs) while handling payloads over 15lbs. It is extremely rugged, includes an IP67 rating, and is suitable for vehicle and other harsh environment applications. The PTU-D48 is expected to be available to order starting in April/May.

Email [sales@kanecomputing.com](mailto:sales@kanecomputing.com) for further information

+++++

**Inertial Stabilisation for D100 and D300 Pan and Tilt Units**

The Inertial-Stabilisation Module (ISM) is a modular sensor processing unit that adds stabilised line-of-site (LOS) pointing capability to Directed Perception Pan and Tilt Units (PTU). The ISM enables stabilised pointing of video cameras, lasers, spotlights, antennas and other payloads. It allows steady aiming during boat, vehicle or tower motion due to wind, waves or terrain. The ISM can dramatically improve image and communications link quality by maintaining steady alignment.

Visit [ISM](#) for further information

+++++

### **Lightning RDT High Speed Camera**

Lightning® RDTPlus™ (Research, Design and Test) camera combines high-speed digital video, intuitive camera control software and powerful analytical functions with the capabilities of a standard PC to provide an integrated, high-speed imaging system with sufficient performance and flexibility to address all motion analysis requirements.

Consisting of a small camera head, detachable cables and custom framegrabber, the Lightning® RDTPlus™ captures 512x512 resolution images at 5000 full frames per second (fps). A blazing 100,000 fps can be achieved at reduced resolution for recording extremely rapid events.

The Lightning® RDTPlus™ features extended recording times to capture long duration events such as vehicle rollovers and missile flights. More than 13 seconds of full resolution recording at 5000 fps are available without compression. Greater than one minute of record time can be achieved by reducing the frame rate to 1000 fps. The ability to daisy chain multiple framegrabber boards further extends the record time.

Visit [RDTPlus™](#) for further information

+++++

### **Real Time Video Compression using Cineform Codec**

NorPix announces support for the high-performance Cineform codec, now offered in both its StreamPix image acquisition software and the Hermes API. The Cineform codec provides high compression in real-time during live acquisition of image streams, with no degradation of Bayer pattern. The result is movie-quality compression with high quality colour rendering on decompression for playback.

Email [sales@kanecomputing.com](mailto:sales@kanecomputing.com) for further information

+++++

### **StreamPix3 and Cineform Codec for HDTV Cameras**

StreamPix3 and 4 support many HDTV cameras from various machine vision camera manufacturers. These cameras provide GigE technology and HDTV resolution at a more competitive price than standard HDTV cameras.

With StreamPix3 and the Cineform codec, you can now record directly to your laptop disk drive or USB memory stick in real time at 1920 x 1080 x 30 fps x 12 bits raw bayer.

Want to record from single or 2 HDTV cameras simultaneously without spending tens of thousands of dollars? Using StreamPix3 and the new support for the Cineform codec, you can record one HDTV stream directly on a 2.4GHz laptop either to the hard disk or even to a USB memory stick connected to the laptop. If your requirement is for recording from 2 HDTV cameras, then use StreamPix4 with a Quad Core desktop and the Cineform codec to record directly to disk.

StreamPix and TroublePix now support Basler A504K, Mikrotrotron MC1310 and Photon Focus MV2-D1280-640 at full resolution and speed.

Email [sales@kanecomputing.com](mailto:sales@kanecomputing.com) for further information

+++++

**StreamPix3/Cineform support to Toshiba 1K-HDI 1080C 3CCD Camera**

Acquire in real time in compressed mode on the Toshiba 1K-HD1 1080i 3CDD camera using StreamPix3 and the Cineform compression codec. No need to carry a big disk array system to acquire from this new camera. By using the new Cineform compression codec with StreamPix, you can acquire in real time at 1920 x 1080 x 30 fps x RGB to disk using a Quad Core machine and a single hard drive.

Email [sales@kanecomputing.com](mailto:sales@kanecomputing.com) for further information

+++++

**TroublePix 150-500 High End Laptop based recording**

NorPix announces the release of TroublePix150-500, the latest hardware/software solution for high-end portable digital video recording. Compatible with NorPix's TroublePix software, this powerful, laptop-based portable tool includes the software and a high quality camera. Record an 18-second sequence to RAM at 1024 x 1024 x 150 fps or 586 fps x 512 x 512, or use a lower frame rate for longer sequences.

Email [sales@kanecomputing.com](mailto:sales@kanecomputing.com) for further information

+++++

This eNews is published by Kane Computing Ltd, distributors of DSP/FPGA, Broadcast, Image Processing, Machine Vision, Audio/Video Compression and Telecommunications Solutions. Kane Computing Ltd respects your online time and privacy. We only send this eNews to our customers and people who have signed up to receive it, however, if you would prefer not to receive future issues of eNews, you may unsubscribe by sending an email to [unsubscribe@kanecomputing.com](mailto:unsubscribe@kanecomputing.com), placing unsubscribe in the 'Subject' line.

If you have received this eNews forwarded from a colleague or friend, you may subscribe yourself by emailing [sales@kanecomputing.com](mailto:sales@kanecomputing.com) and placing 'Subscribe – Vision' in the 'Subject' line.  
Copyright: Kane Computing Ltd 2008

+++++