

# Ultravision Newsletter

Volume 1, December, 1998

## In This Issue

<i>Year-end Greeting</i>	1
<i>JAI CV-M1 CCD Camera</i>	1
<i>Power Supply for Dalsa's Camera</i>	1
<i>Ultravision Homepage</i>	1
<i>1st Birthday</i>	2
<i>Dalsa Piranha Camera</i>	3
<i>Dalsa Motion Vision Camera</i>	3
<i>Raven By Bitflow</i>	3
<i>M-Vision By Mutech</i>	3
<i>MD Message</i>	4
<i>Published &amp; printed by Ultravision Sales &amp; Marketing Department</i>	



**Ultravision  
Connect**

<http://www.ultravision.com.sg>

Ultravision is happy to announce the launch of her own personal homepage on the internet.

Ultravision homepage address is:  
<http://www.ultravision.com.sg>.

This homepage is dedicated to our customers. The purpose of the homepage is for our customers to view our products at their convenient time, day or night. There are information on new product updates, product specifications, company activities, etc., etc., as well as email link for your enquiry or your valuable comments to upgrade our service for you.

We know you will find this homepage useful. ■

## Year-End Greeting

Ultravision wishes all her partners:

*Merry Christmas And Happy New Year.*

Lee Wee Khiang  
Managing Director

## What's New

### JAI CV-M1 CCD CAMERA

The model CV-M1 is a new revolution high resolution machine vision camera based on the latest Progressive Scan technology, featuring high performance and versatile functions within a tiny and robust package. Over a million pixels (1.3K x 1K) in 2/3" CCD format provides extremely high resolution for discerning the finest details, and allows an image of 5:4 aspects ratio. Full frame shuttering with asynchronous random trigger function achieves real-time dynamic image capturing.



The CV-M1 is an ideal monochrome machine vision camera for applications in medical/scientific imaging, character/pattern recognition, high definition graphics and many more. ■

### POWER SUPPLY FOR DALSA'S CAMERAS (PS-188)

Ultravision launch a new D.C. regulated power supply to support the DALSA's cameras. This power supply is a customised design build for machine vision application.



The new power supply model number is PS-188. It is to support the DALSA'S line scan and area scan cameras, including the CA-D4 AND CA-D7 series. The customer will need to specify their requirement when confirming the purchase.

As it is designed by Ultravision with our customers in mind, you can be assured that the power supply will be of high quality at low cost to give our customers the competitive edge. ■

## Editor's Message

It is with great pride that we introduce the inaugural issue of "Ultravision Newsletter".

This newsletter is the first of many developments to be implemented in 1999, which is the entry to the 21st century. It is an important year as we will see and hear a lot of company racing against time to resolve the Y2K-bug. Hopefully, you had solved yours.

Away from side-talk, what we would like to see in 1999 is the revival of the Asian economy. Singapore government had set in motion the antidotes to revive the Singapore economy, now we do hope the other Asian countries will follow using the open economy strategy.

In every issue, we will highlight news-worthy developments in Ultravision, profile to you on some of the break-through activities as well as update you on the latest technology in machine vision industry. Our customers product information are proprietary and will not be released unless we have approval from the owner.

If you have any comments or news-worthy information pertaining to machine vision, please do drop us a line. We hope to receive contribution from our partners in the industry.

Finally, we would like to thank everyone who has ever offered us feedback on how to improve our newsletter. Also, we thank our partners for making this newsletter possible, as without your support, Ultravision will not be born, neither will this newsletter.



## *Ultravision - The machine Vision Specialist.*

### 1st Birthday

Ultravision celebrated her 1st anniversary in October 1998. It had been a wonderful year for Ultravision despite the economic crisis in the region. This good year will never happen if not for the support from our partners in the industry.

Ultravision started her maiden beginning in October of 1997. It is a rough and tough road ahead as there was no guaranteed survival in the marketplace. As an infant company, not only must Ultravision take cares of her own administration, but also to ensure that the industry, she is trying to curve a niche, would accept her as a partner in business. After struggling for a year, she is happy to be able to publish her 1st newsletter to announce her continue present in the industry.



Ultravision is grateful to all her partners that had supported her in the past one year. It is only with your support that she can continue to conduct her business in the marketplace. Reciprocating this support, Ultravision will do her best to provide the competitive edge for her partners. To her suppliers, Ultravision will always provide the important feedback for continuing improvement that the ever-changing customers may need. To her customers, she will do her best to provide good product, workable solution as well as high quality after-sales service to support and resolve their problems.

Once again, to all our partners - thank you.

Harry Khoo Kay Leong  
Sales Manager

### Return Address:

Ultravision Pte Ltd  
Block 1008, Aljunied Avenue 4,  
#01-23  
Singapore 389909  
Republic of Singapore

## What New.. (continue)

### DALSA PIRANHA CAMERAS

With high responsivity, low noise, excellent dynamic range and data rates



up to 100MHz, nothing escapes a Piranha. It's High Performance and unmatched speed set makes Piranha a step above all other line scan cameras. With up to 4 digital outputs running at 25MHz, Piranha cameras deliver line rates up to 79.2kHz. High responsivity, low noise and DALSA's excellent dynamic range combine to provide unparalleled performance. ■

### DALSA MOTIONVISION

DALSA redefines high speed, mid resolution progressive scan with the introduction of the MotionVision(r) line of area scan cameras.

The DALSA CA-D6 offers 0256 and 0512



resolutions with four 8-bit outputs at 25MHz. This allows frame rates up to 955 fps for the 0256 model and up to 262 fps for the 0512 model. Applications include electronic inspection and motion analysis - any application that requires the highest frame rates and image quality. ■

### RAVEN BY BITFLOW

Raven is the world's first universal analog camera interface!

Raven combines flexible multi-camera capabilities with proven system interface technology. A single Raven



board can accept up to 4 simultaneous camera inputs. And for application flexibility, the Raven works with all analog cameras - not only standard-scan RS170/CCIR monochrome as well as NTSC/PAL, S-video(Y/C), and high-quality RGB colour cameras, but also non-standard types such as line-scanners, progressive scan, and high performance dual-tap camera.

*"World's first universal analog camera interface!"*

#### Key Features

- Variable-scan: line-scan/progressive area-scan/dual-tap
- Standard-scan: RS170/CCIR/NTSC/PAL/S-video/RGB
- Acquisition from 4 cameras simultaneously
- Line length up to 32K pixels and frame sizes up to 32K lines

- Minimum-latency transfer to host in raster-scan order
- 30Mhz input channels
- Independent LUT conditioning for each DMA destination
- Independent LUT conditioning for each DMA destination
- Pre-channel strobe, shaft encoder, asynchronous reset
- Different video input capability
- Acquisition window and frame reset control
- Real-time shutter or exposure control
- Continuous linescan without dropping lines ■

### M-VISION 500 BY MUTECH

The M-Vision 500 is a high quality, colour/monochrome frame grabber, capable of digitising video and transferring the digital data to system memory or the VGA display in real time. The M-Vision 500 is a surface mount 1/3 size (160mm) PCI card that captures



composite NTSC/PAL, Y/C, or RS-170/CCIR video, as well as, non-interlaced video from progressive scan cameras. A trigger input allows the detection of an event and generates an interrupt to grab the video. Video is captured at 30 frames per second (NTSC) or 25 frames per second (PAL). ■



Lee Wee Kiang  
MD, Ultravision Pte Ltd

## New Directions For Ultravision

Lee Wee Kiang  
Managing Director:

*We give you the **COMPETITIVE EDGE** - which means more cost effective, workable machine vision products and solutions for you to win the business."*

### Ultravision Newsletter

Block 1008 Aljunied Ave 4 #01-23  
Singapore 389909

For more information regarding anything in this newsletter, please write to or contact any of the Executive Committee Members. We appreciate any comments, recommendations and contributions for the next issue. If you'd like to help or show your support in any other way, please let us know.

Harry ..... 842 3239  
Wee Kiang ..... 842 0500  
James ..... 842 1639

Editor Lee Wee Kiang  
Sub-Editor Harry Khoo Kay Leong  
Design & Layout Harry Khoo Kay Leong

### OUR VISION

At Ultravision, we only have one focused vision – our customers.

As technological experts in machine vision products, our aim is to provide our customers with the best solutions possible – which translates to greater cost efficiencies and effectiveness.

We shall be the vital Resource and Knowledge Bridge between the technology users and providers.

### ESTABLISHED BRANDS...

From established names in CCD cameras like PULNiX Inc, Dalsa & JAI, to leaders in machine vision software and Industrial Computing like Media Cybernetics, Epix & ICP, we are given the international mandate to serve you better in the region as Machine Vision Specialists.

### WHO ARE OUR CUSTOMERS...

Our clientele focus is mainly regional, based on our corporate philosophy of being closer to you. We are proud to be providers of machine vision products to machine vision integrators, OEMs, R&D laboratories, and educational institutions.

### OUR FUTURE PLANS...

Whatever we plan will have YOU in mind – to serve you better, and faster.

One of our plan is to expand our regional distribution network so as to be nearer to our customers in the region. We are also looking into value-add product that can support our core business, which is machine vision distribution business.

Also, we have invested in R&D to bring you products that will suit your every need.

## Products Range

<u>Lens</u>	<u>Camera</u>	<u>Lighting</u>	<u>Frame Grabber</u>	<u>Analysis Software</u>	<u>Industrial Computer System</u>
Optem / US	Dalsa / Canada	Illumination Technologies / US	Epix / US	IO Industry / Canada	ICP / Taiwan
A vernia / Japan	JAI / Denmark Pulnix / US		Bitflow / US Imaging Technology / US Mutech / US Active Imaging / US	Media Cybernetics / US FSI Automation / US	