

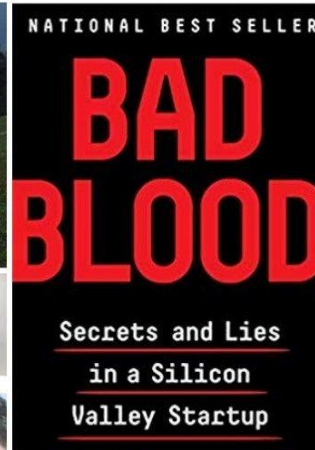
JANUARY - MARCH 2019

Employee Newsletter

16 APRIL 2019

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Product Launch

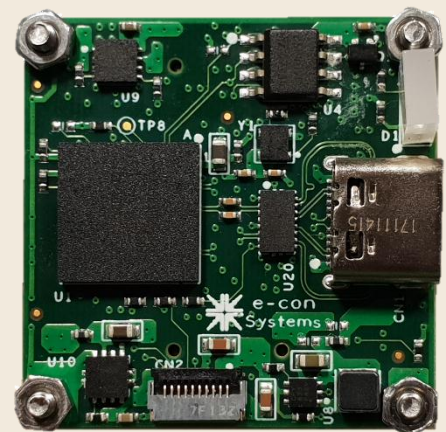
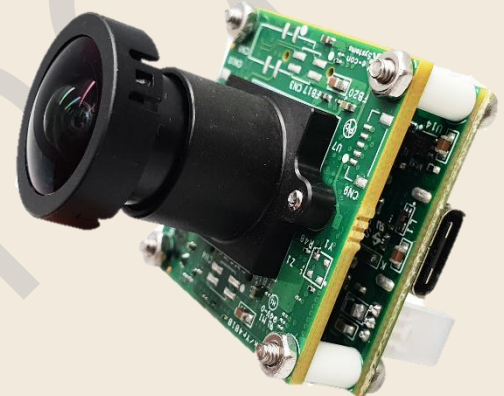
5 MP Low Noise USB 3.1 Gen 1 Camera

We have launched **See3CAM_CU55**, a 5 MP Custom lens USB 3.1 Gen1 UVC Color Camera on Dec 13, 2018.

See3CAM_CU55 is based on the 1/2.5-inch AR0521, 2.2m pixel BSI CMOS image sensor from ON Semiconductors®. It is provided with the S-mount (M12) lens holder that enables customers to choose a lens of their choice. It can stream FHD (1920 x 1080) at 60 fps and HD (1280 x 720) at 60 fps in both uncompressed (UYVY) and compressed MJPEG formats. We launched the AR0330 (3.4 MP) based fixed focus camera few years back. This camera has exactly same pixel size but comes with 5 MP and higher Signal to Noise Ratio (SNR) 40 dBm. So, it is much better in low light with lesser noise.

This camera is an ideal camera for medical imaging, laboratory equipment imaging and high-resolution surveillance applications.

For more information, visit the **See3CAM_CU55** page - <https://www.e-consystems.com/5mp-low-noise-usb-camera.asp>



e-CAM130_CUXVR - 444 (4 Synchronized 4-lane 4K Cameras) for NVIDIA® Jetson AGX Xavier™

We have launched **e-CAM130_CUXVR**, also called as **444** (4 Synchronized 4-lane 4K Cameras) for NVIDIA® Jetson AGX Xavier™ on Jan 31, 2019.

e-CAM130_CUXVR is a multiple camera solution for NVIDIA® Jetson AGX Xavier™ development kit that has four 13 MP 4-Lane MIPI CSI-2 camera boards. Each camera is based on the camera module **e-CAM137_CUMI1335_MOD**, 1/3.2" AR1335 color CMOS image sensor from ON Semiconductor® and integrated high-performance Image Signal Processor (ISP). All these four cameras are connected to the base board using 30 cm micro-coaxial cable. These four 4-lane MIPI camera modules can be synchronously streamed in 4K resolution, which will be best fit for high end multi camera solution. Customers can choose to purchase between single camera to four cameras as according to their requirement.

For more information visit : <https://www.e-consystems.com/nvidia-cameras/jetson-agx-xavier-cameras/four-synchronized-4k-cameras.asp>

Hyperyon - H.264 Ultra Low (No) Light WDR Camera

We have launched **Hyperyon** on February 20, 2019.

Hyperyon is a 2 MP Ultra low light HDR USB UVC camera with built-in H.264/MJPEG compression based on Sony STARVIS® series 1/2.8" IMX290 CMOS image sensor. It has excellent low light performance, can work in nearly no-light conditions and very good Wide Dynamic Range (WDR) using 3DOL which is ideal for challenging lighting environments in both indoor and outdoor such as smart parking lot management, embedded vision, mining, digital microscopy, kiosks, and video conferencing.

For more information visit: <https://www.e-consystems.com/usb-cameras/imx290-low-light-usb-camera.asp>

Watch demo videos on YouTube:

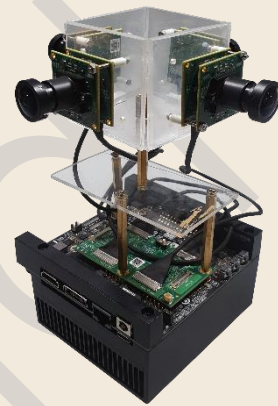
Low light video:

<https://www.youtube.com/watch?v=4Wz7y1JCsqU>

HDR Comparison:

https://www.youtube.com/watch?v=FSfSQjF_4GE

-Bharath



Book Review

John Carreyrou is a Pulitzer price-winning investigative journalist. He has exposed many corporate scandals and regarded as a specialist in reporting scandals in the pharma industry. After exposing the financial fraud in Medicare, he worked relentlessly to uncover the deep-rooted crime in the bio-tech company "Theranos", led by the bold and promising Elizabeth Holmes.

Theranos has set up to design a blood analyser so compact which can be placed in every house. The blood analyser does many essential tests on a drop of blood taken from a prick of a needle on patients' fingers. This was the dream of the young woman Elizabeth Holmes, who dropped out of the Stanford University in her first year to pursue her dream. A simple comparison to the blood analysers already in the market and their working will help us gauge whether the dream of Holmes is too big to be realized or was it worth trying.

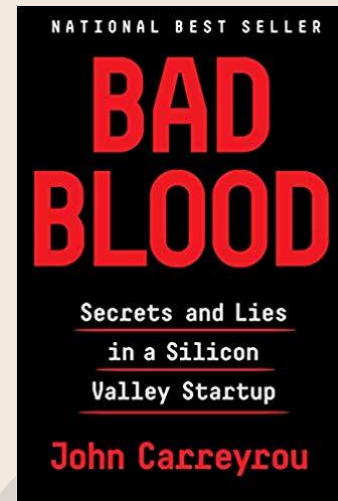
Abbott Laboratories, Siemens are some of the industry leaders in blood sample analyser market. Those analysers were too bulky that they cannot be a household product and they need commercial setup like labs and must be professionally maintained. Most important of the requirements of the blood sample analyser is the blood volume they require to run the tests. We all are familiar of the venous draw that we normally experience in hospitals when doctors prescribe any blood tests, that is the requirement of blood volume. Type of the disease and the number of tests needed forces some patients to endure the discomfort of a greater number of venous draws.

The size of the analyser and the volume of the blood it needs are the major constrains which render the analyser a complex lab equipment than a simple household device. Elizabeth's dream was to revolutionize these two facts and give the patients the freedom to test at their home with just a prick of a needle, saving the time and the pain. On the surface of it, it looks like it was worth the endeavor. The problem with Holmes was that she had only the dream. She had no technical backing to carry her dream to success. Unlike a software job which one can learn and code or at least if the product fails only the creator will be affected, bio-technology needs enough experience with thorough knowledge of the field before venturing on the start-up dream. She didn't even hire the right kind of people. This laid the foundation for the scandal in Theranos.

The four essential pillars of a company are the vision of the founder, investors who thrust their money to the founder, employees who work for the founder and the customers who pay for the service they receive from the company. In Theranos, the vision was baseless, investors were blind-sighted by unrealistic forecast, employees were harassed, and the customers were cheated by false claims by the company. Holmes tried to build an empire valued at 10 billion dollars on these weak pillars only for John Carreyrou to bring the structure to ground shattered.

When a strong character, whether good or bad gets an attention of a good journalist cum author, the product is sure shot an interesting read. The first clue author John Carreyrou gets, later leads him to follow and the interviews he arranged to gather the information were all well laid out and narrated as a crime novel. One virtue I liked about Holmes was her persistence, only that the vector of her persistence was 180 degree out of phase. The book is a very interesting read of a corporate criminal.

-Dimension Six



Gym Inauguration

The last month of 2018 was very special for e-conites as we inaugurated our gym facility. The gym was inaugurated by our founders Ashok Babu and Maharajan along with Sai Krishnan by cutting the ribbon. Our gym vendor explained about the equipments and its uses, and it was followed by an hour session from experts on Fitness. The session was not just interactive and informative but also had few physical activities of Fitness.

-HR Team



New Year Celebration

At e-con, we welcomed New year with a celebration on 31st December between 5-7 pm. A "Talent Show" was conducted on occasion of New year celebration. Employees from various teams participated and performed team/Solo Dance, Singing, Skit and Martial arts, etc. In between the event, some fun filled games was conducted. Finally, the celebration was ended up with wishing everyone and cake cutting.

-HR Team



Pongal Celebration

e-con celebrated our traditional Pongal festival on 17th January 2019 (Thursday). To add more fun and engage our employees, we have conducted **Sweet Pongal Making Contest** on the same day. Employees from various teams participated in the contest and gave their best.

Winner and Runner of the contest are:

Winner - Production Team

Runner - Apps Team

-HR Team



Photos from e-conites



PC: Ravikiran



New Joinees

MOHAMMED IBRAHIM. M	Project Engineer Trainee	Dec 24
MURALI MOHAN. M	Project Engineer Trainee	Jan 28
AMMISSETTI NAVYA	Project Engineer Trainee	Jan 28
PRABAKARAN. M	Project Engineer Trainee	Feb 21
SADICK. E	Associate Executive	Mar 01
SANKAR. P	Senior Engineer QMS	Mar 01
THILAKARAJ. A	Senior Executive Programs	Mar 01
KARTHIRAVAN. K	Executive Trainee	Mar 04
SIRANJEEVI. B	Executive Trainee	Mar 04
ASWIN PRABU. Y	Executive Customer Support	Mar 20

Birthdays

VIKAS SRINIVASAN, ARUN BALAJI. T.M	Jan 09
VINOD KUMAR. V	Jan 10
PUSHPALATHA VUDATHA, SARAVANAKUMAR. S	Jan 11
ARUN. A, SAIDDEPAK. R	Jan 13
ARUN MUTHUGANESH. R, SELVAMANI. P	Jan 15
GURUNATHAN. V, GOPIKRISHNA. V	Jan 19
PRABU KUMAR.K	Jan 23
THARMARAJAN. G	Jan 25
UDAYA KUMAR. K, VIGNESH KUMAR.R	Jan 28
KRITHIKA. G	Jan 31
PRASHANTH. R	Feb 03
AJAY ARUL	Feb 04
MURUGAN. N	Feb 07
SANDEEP. E	Feb 11
YOGESHWARAN. S	Feb 13
MOHANEN. B	Feb 16
AKHILESH KUMAR MALVIYA	Feb 17
DILIP KUMAR. J	Feb 19
HARISHANKAR. S, RAMKI. M	Feb 27

DECEMBER 2018

S	M	T	W	T	F	S
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JANUARY 2019

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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY 2019

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

Birthdays | New Joinees | Parental Bliss | Company Holiday

RAVIKIRAN. M	Mar 01
JESLIN PAUL. J	Mar 02
SHAH FARIDHUDDIN, TAMILARASAN. H, RAGHUL. V	Mar 06
MOUNAMANI. S	Mar 08
MALIK BATHUSHA. M	Mar 09
MOHAMED HUSAIN. N	Mar 13
SANKARESWARI. D, AMMISETTI NAVYA	Mar 17
MURALI MOHAN. M	Mar 18
SARATH CHANDRA BABU. N	Mar 19
INBARAJ. S, ALAGAPPAN. M	Mar 20
RANGITH KUMAR. R	Mar 25
RESHMA. P, JAYALAKSHMI. B	Mar 26
SARATHCHANDRAN. S	Mar 27
MUHAMMED JUNAIDH. M	Apr 01
KARTHIKEYAN. S	Apr 02
SALIM JAVED. Z, SATHISKUMAR. P, NISHANTH.N	Apr 06
MAHESHWARI. P, BHARATH KUMAR. R	Apr 08

MARCH 2019						
S	M	T	W	T	F	S
					1	2
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL 2019						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Birthdays | New Joinees | Parental Bliss | Company Holiday

Parental Bliss

MENAKA. J	Baby Boy	Dec 25
PUSHPANATHAN. L	Baby Boy	Jan 16
HARIHARAN. S	Baby Girl	Feb 04
SURESH MADHU. D	Baby Boy	Feb 12
TAMILARASAN. H	Baby Boy	Feb 19
VINOTH KUMAR. A	Baby Girl	Feb 25
SATHIYASEELAN. R	Baby Boy	Mar 01

Company Holiday

Good Friday Apr 19

Sudoku Puzzle - December Edition - Answer

1	2	9	3	5	7	4	8	6
8	4	5	1	6	9	2	7	3
6	3	7	4	2	8	1	5	9
9	7	2	5	3	4	8	6	1
4	8	6	2	9	1	5	3	7
5	1	3	8	7	6	9	4	2
3	9	8	6	4	2	7	1	5
2	6	4	7	1	5	3	9	8
7	5	1	9	8	3	6	2	4

Congrats Ranjith G and Surya P for answering the December Sudoku Puzzle!

Call for Articles

We are delighted to invite articles for our upcoming edition. We have listed range of fascinating topics which can kindle your interest. Please utilize this option to showcase your skills to your colleagues, or you can upskill yourself by contributing to any of the following sections:

- **Photography:** Nature | City at Night | Food Photography | Peace
- **Technical Topics:** Embedded Technologies | Virtual Reality | Data Analytics | Cloud Storage | Machine Learning
- **Self Enhancement:** Personality Development | Goal and Success | Career Crafting
- **Wellness:** Stress and Depression Management | Nutrition and Hygiene | Diet, Inner Peace and Family Well Being | Safety and Security
- **Reviews on Books:** Science fiction | Historical | Technical | Artificial Intelligence | Literature
- **Sports:** Indoor – Carrom, Chess and Table Tennis | Outdoor – Cricket
- **Puzzles and Crosswords:** Puzzles in general ranging from Crosswords to Jumbles, Odd one out, and so on.

You can also come up with your own topics other than mentioned above, feel free to check with the Editorial team.

Creative thinking and innovative approach is very essential in this modern digital world, so make use of this opportunity to bring out some extra-ordinary content from your repository. This is a platform to entertain you logically and we assure you will make use of it.

You can also mail us at newsletter@e-consystems.com to know more about this. Feel free to send your suggestions and feedback.

Thanks,

Editorial Team [Archana, Ravisankar S, Gayathri S, Sarolin J, Sharmila G]

