



You do not get people to change, however you can create the possibilities that will let people change.

Unknown

CEO's Note

Dear Reader,

Sometimes I don't understand the world anymore. You know that Switzerland is a direct democracy. This means that all citizens can vote on proposals that have a certain importance. In the village, the town, the city and the nation. The people are the bosses, so to speak. Voting was held here again last weekend. We were able to vote on important issues, partly through government bills, and also about an initiative coming from people which collected more than 100'000 signatures from supporters of the initiative itself. With more than fifty percent of the votes, a bill is accepted, with less than 50 percent it is rejected.

Usually, the losers may dislike, but accept the result. This is also correct under the rule of law and nothing but fair. Now even that is no longer possible in today's woke-ridden social mood. On Monday, a day after the vote, some hundred women took to

the streets at the National Parliament to protest against the democratic result of the vote. One of the leaders seemed so steeped in racism. She allowed herself to be carried away to the statement that "we owe this result to rich, white, old men". When you're woke, even the purest racism seems to be allowed.

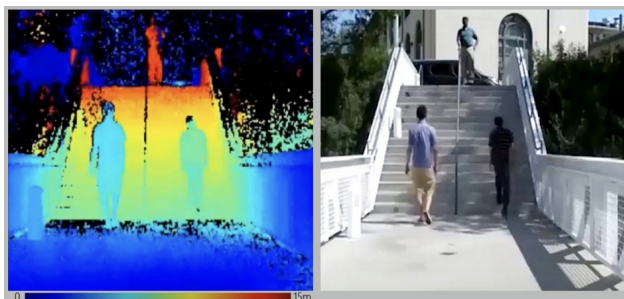
In my opinion, democracy and just living together decently only works if you respect the opinions of others - you don't have to share them - and accept democratic decisions. I'm not surprised if middle-class forces regain the upper hand in more and more countries, as they did this weekend also in Italy. In woke terminology, these are the so-called right-wing populists and fascists. I would very much welcome it if more facts counted again and demagoguery didn't rule anymore.

Beat De Coi

Ambient Light Operation at its best: epc660

Outstanding reliability is a hallmark of Swiss quality. But here at ESPROS Photonics we make this a priority, because we know that for many of our customers, safety is critical. And thanks to the exceptional reliability of our products, under all environmental circumstances, we can effectively contribute to the safety of our partners' solutions. For this reason, we recently implemented and released a major optimization of the operation of our epc660 chip, which is a huge step forward for applications in fields such as autonomous driving, ADAS, AGVs, outdoor surveillance or people counting.

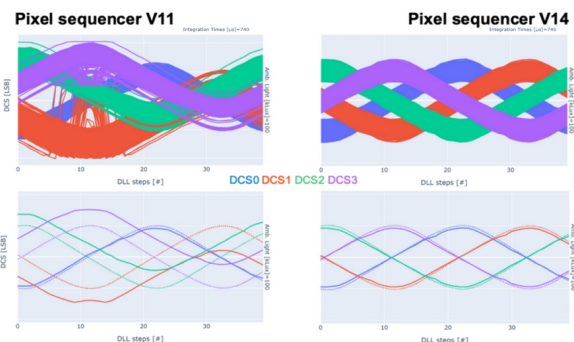
This optimization will be critical wherever there is a need to operate outdoors, in strong sunlight, with a wide field of view and long integration time.



The outstanding performance in full sunlight of the epc660

As the image above shows clearly, the reliability of the distance measurement in full sunlight of the epc660 was already outstanding even before this enhancement, thanks to an eight million electrons of full well capacity.

However, at very high ambient light and signal level, the signals became corrupted. We modified the pixel sequencer which optimizes the pixel operation further. This leads to a spectacular 92 dB of ambient light dynamic range.



Comparison between the pixel sequencer v11 and the newest V14

Now the latest version of the pixel sequencer (V14) is released and allows reliable distance measurement even when these two conditions are both present at the same time: full sunlight and a long integration time.

Under this [link](#) you will find more information about ESPROS epc660, together with the latest version of the data sheet. And for a detailed introduction into the extraordinary performance of this microchip, please don't hesitate to [contact](#) us. We will be pleased to explore with you how we can add value to your solutions.

Kevin, from the snows of Oregon to the snows of Switzerland

What is your job at ESPROS?

Senior Analog Chip Design Engineer: I work at the very core of our technology.

How long have you been working at ESPROS?

Since September 2021. So that makes it a year which I have thoroughly enjoyed. I've learned a lot of new things and am part of a great tightly-knit team

What do you most enjoy about your job?

There are many interesting challenges and a wide range of responsibilities. At ESPROS I had the opportunity to perform a very diverse set of tasks that I had little to no exposure to in the past. I really enjoy circuit design and layout work, but I also had many PDK/EDA upgrade and maintenance projects at ESPROS that expanded the typical scope of work for a design engineer. I have a unique set of tasks that makes every day a little bit different and keeps the fresh feeling of working on something new.

Where are you from originally and where do you now live?

I grew up in Portland, Oregon in the northwestern corner of the United States. I am currently living in Chur. I love the mountains so it's perfect for me to live and work in the Alps so close to so many great ski resorts. As you can see in the photo taken in

Samnaun in Graubünden close to the Austrian border.



What do you like to do in your spare time?

During the winter I enjoy skiing, especially off-piste when the snow is fresh. In the summer I go hiking in the mountains and forests. I also like to travel to new places, play poker tournaments and visit the climbing gym year round.

What would you most like?

A never ending winter.

Visit ESPROS at VISION Stuttgart 2022

Vision, the world's leading trade fair for machine vision, will be held this year from October 4 to 6, in Stuttgart.

More than 450 exhibitors from over 20 countries are presenting their products and services for the two main exhibition areas of machine vision components and machine vision systems.

ESPROS Photonics will once again participate in the event this year.

We will be in the Swiss Pavilion, in the Hall 10 – Booth 10G20.5. We are pleased to invite you to visit us. You will see the outstanding performance of our



World's leading
trade fair for
machine vision

04-06 Oct 2022
Messe Stuttgart
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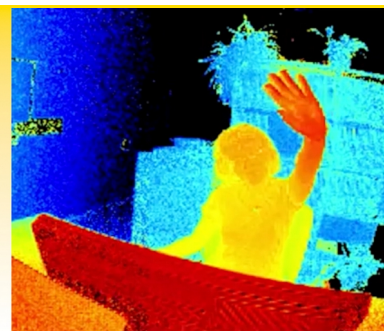
[camera modules](#), based on our [proprietary Time-of-Flight technology](#).

Our booth will feature the TOFcam-635 and the TOFcam-660 in action. We will show you these modules, together with the TOFrang-611 and the TOFcam-611 and the range of TOF chips on which their performance is based. We will explain more regarding our outstanding quantum efficiency (QE) and our unparalleled ambient light suppression (ABS) capability.

Our staff is looking forward to welcoming you to our booth.



Welcome to
ESPROS Photonics
Hall 10 – Booth 10G20.5
Swiss Pavilion



You want to purchase our products?
Check out on [Digi-Key](#) or get in touch with our [sales team](#).



++ Be part of our team and click here for our current job opportunities ++