Video and Digital Imaging Labs

ViDi Labs

www.vidilabs.com

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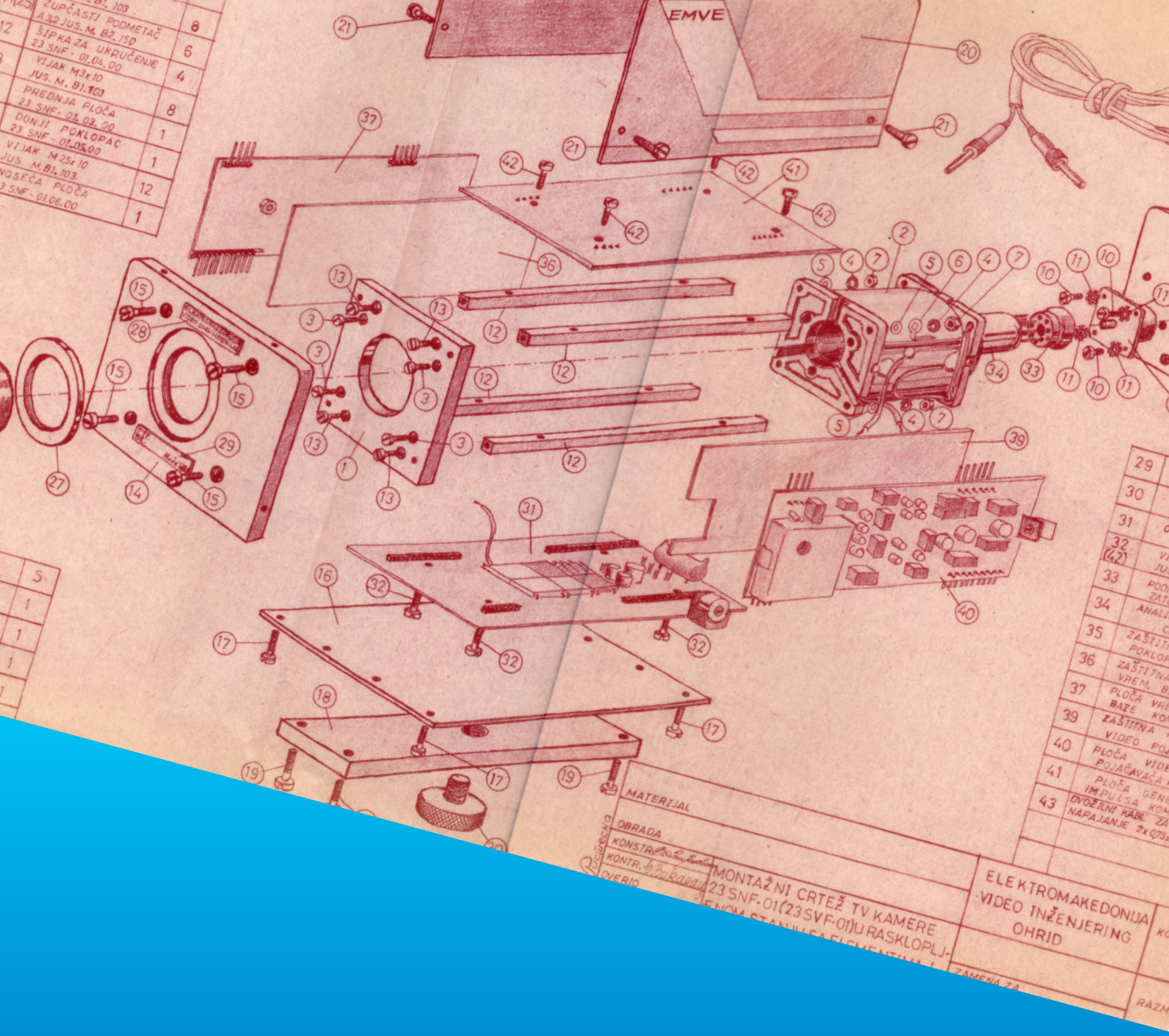


ViDi Labs expertise:

- Consultancy and Systems Design
- Tools and Test Charts for Video Analysis
- Books and Lecturing
- Technology Publications
- Engineering and Innovation

Illustration above: A hand-drawn "exploded view" of a tube camera, designed and drawn by Vlado Damjanovski in 1982
Photo on the front cover: 'A different Opera' - long exposure photograph from Vivid Sydney, by Vlado Damjanovski@2019

Message from the founder…

My professional inspiration and love is The Light.

My father was an optical engineer and taught me a lot about optics.

Since my very early childhood I developed a passion for light and optics and played with lenses, prisms, telescopes and photography.

I am still a passionate amateur photographer with over 45 years of experience and seven solo exhibitions.

I have a degree in electronic engineering and telecommunications, and specialised in television and solid state cameras.

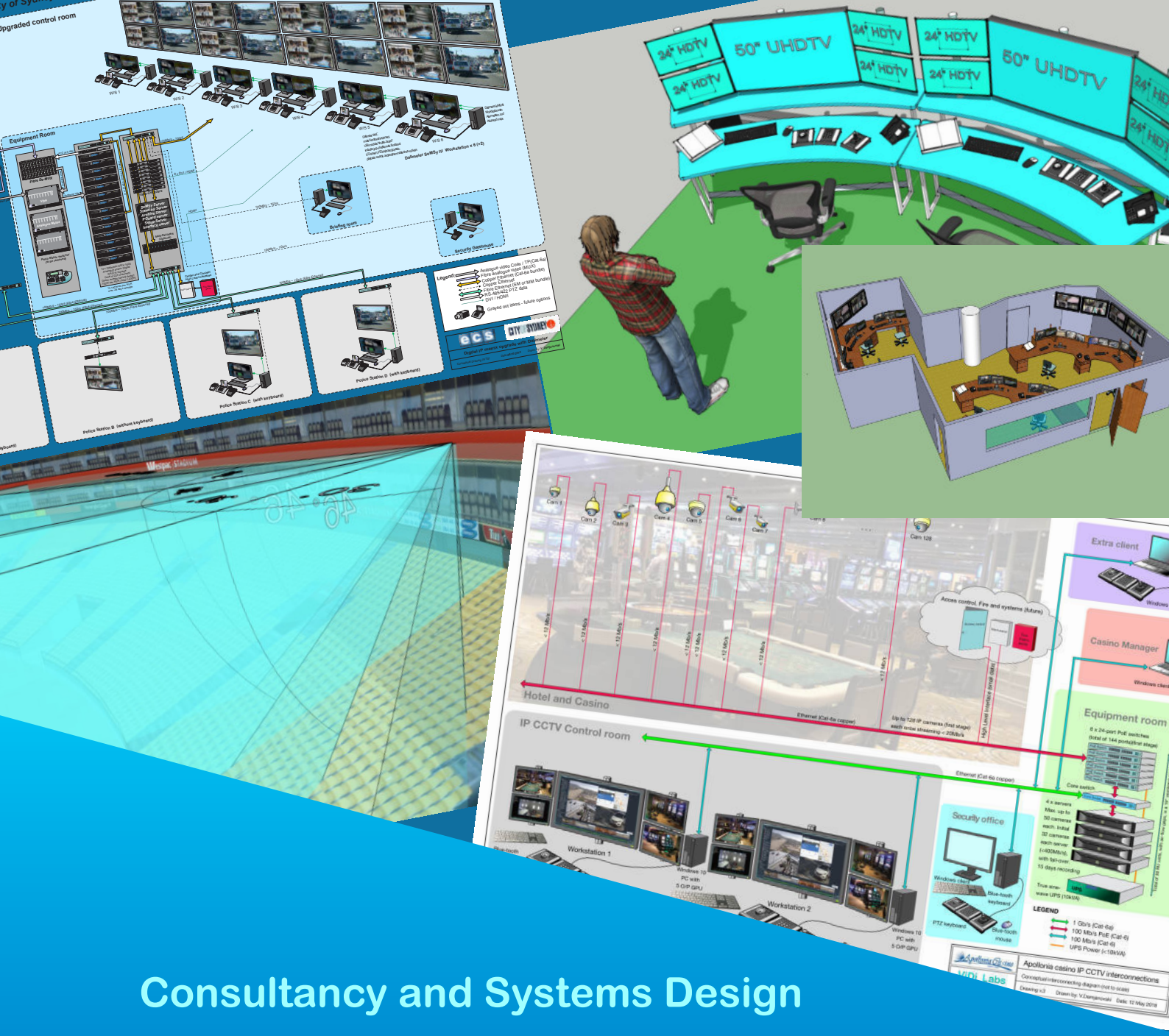
I have written four books de-mystifying this wonderful natural phenomenon as seen through the practical eyes of CCTV and IP Video.

If you work on anything even remotely connected with cameras and light, chances are me and my company can assist you.

Damjanovski

Vlado Damjanovski B.E.(electronics&TV)

Kiama, NSW, AUSTRALIA



Consultancy and Systems Design

ViDi Labs provides high-level **consultancy** on any size modern system, based on IP CCTV latest technology, tailored to your needs.

From an idea, through the design, tender preparation and publishing, we can help you choose the best bidder and help you with project management at the execution.

We have a wealth of knowledge and experience in designing landmark projects, from small to medium size city surveillance, to a thousand camera projects for large casinos, stadiums and airports.

We are fluent with most 2D and 3D drafting software and we also design control rooms, compliant with all OH&S and electrical standards.

Some reference projects

Some of our better known projects include:

- **Darling Harbour**, Sydney (1994) first use of Sony CCTV cameras with then famous MAX-1000 matrix switcher
- **Sydney Star Casino**, (1997) first digital CCTV in the world
- **Attorney Generals Dept of NSW**, (1998) first DVR wavelet recording with over 1TB total storage, unique at the time
- **Sands Casino** Macao, (2002) the first large scale digital network switching matrix, with over 1200 cameras
- **Sky City Darwin**, (2008) first live switch-over of analogue matrix system to a digital network without downtime
- **Westpac stadium Wellington**, (2016) first 360˚ Panomera coverage stadium in New Zealand, modelled by using 3D laser scanning
- **Apollonia Casino** Macedonia, (2018) full upgrade from SD to full HD.

Tools, Test Charts and Apps

For over twenty years we have produced unique **test charts** for the industry and developed test methods, **tools** and **Apps** to help users evaluate systems quality.

We are the only company in the world to produce test charts specifically for the CCTV industry. We started with our first test chart at the back cover of our first book, *CCTV*, in 1995. Our latest test chart v.5.0 is designed for HD and UHD (4k) cameras.

At our labs we also perform **testing and analysis** of digital IP cameras and CCTV products, in compliance with IEC 62676 standards,

Based on our objective testing we write reports, and issue certificates of compliance for various applications and customers.

You can find our ViDiLabs calculator application on iTunes store or Google Play store, under the name of *ViDiLabs calc*.

Books and Lecturing

Our first book on CCTV was published in 1995. It was then the first, and only, book on this technology. Twenty years later, and now in its fourth edition, our books are still considered the only complete guide on the ever evolving CCTV technology.

With a **five star rating on** amazon.com it has now been translated into many languages. Colleges and universities around the world use our books.

We conduct easy-to-understand seminars on the subject of Closed Circuit Television and associated technologies.

Our seminars are based on the world's most recognised books on CCTV, presented by the author himself - ***Vlado Damjanovski*** (http://www.cctvseminars.com).

Technology Publications

We continue to write technology papers for national and international magazines.This is a legacy from our editorial and publishing work in the past.

For seven years (1999~2006), we were the editors and publishers of the foregone magazine CCTV focus. This was the first and only international magazine in the world dedicated to the CCTV industry. The magazine was prepared, edited and published in Australia, then mailed world-wide. It was also translated and re-published in Russian. We covered an immense number of companies, products and technologies, that are still important today.

In order to preserve a part of CCTV history, we have now made important articles free to download from our website (http://www.vidilabs.com/articles.html). We also continue to upload our latest articles.

The overall experience from such publishing work has made us experts in Desk Top Publishing, Graphic and Web Design and versed in preparing any visual presentation work for various projects and events.

Engineering and Innovations

We have professional qualifications and experience in electronic engineering, including design down to component level.
Therefore, we are versed in building complete systems together where electronic components and interfaces are essential.

CCTV is not limited to security applications only. It is very important in machine vision and robotics, in hospitals for saving people's lives, universities and education, in protecting endangered species by monitoring their habitats, or mapping landforms using drones.

Whatever your objective, we can help you in designing a new and innovative approach. Our engineers work to a very high level and comply with the IEC Standards.
We hold a number of patents on various products that are intended to make a difference for the better world

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