«Watching The World,

The Encyclopedia Of The Now»

an art project by

KURT CAVIEZEL + ah School of Engineering

Abstract:

"WATCHING THE WORLD, The Encyclopedia Of The Now"

This is an **art**, a **photography**, an **exhibition**, an **AI**, a **big data**, a **osint**, an **online** project and uses **open data** sources for this purpose.

It photographs around the clock and around the globe the world in **live** mode by means of publicly accessible **network cameras**, presents the images simultaneously on the project website in different modes and, with the help of **AI**, develops a new way of seeing, a new kind of photography.

"WATCHING THE WORLD" can be viewed as a standalone and **giant** online-camera.

By clicking a feature, the **simultaneous views** of the world can be **curated** by the viewers and used in their own way.

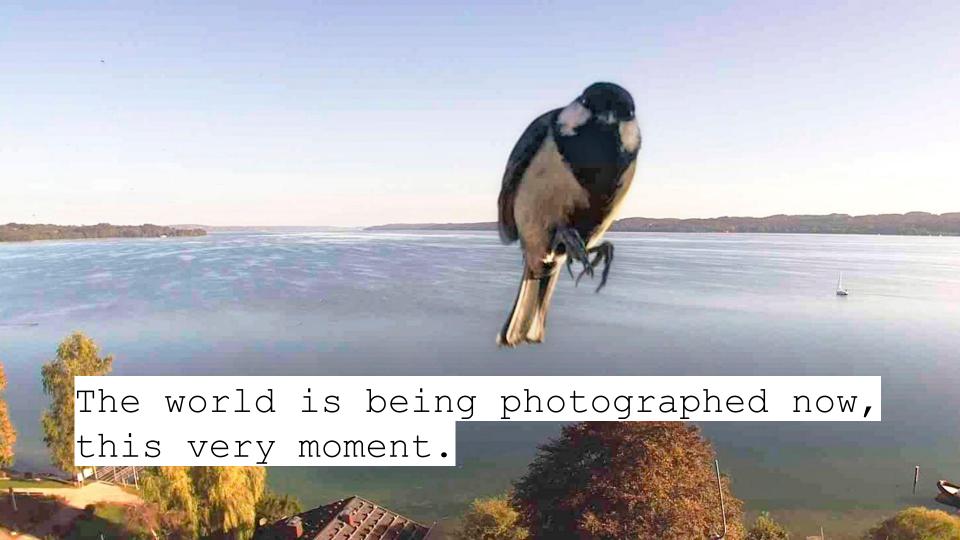
For example, this overwhelming stream of images can be sorted according to various criteria.

The network cameras look at **public** as well as at **private spheres**.

The fact that different cultures value **privacy** differently is just one of the insights we may gain.

What is seen in the pictures, determines the world and at the same time is in the eye of the beholder.

This can be **provocative**.



About us:

Kurt Caviezel:
Artist, based in Zürich

Exhibitions (excerpt):

- International Center of Photography (ICP),
 New York (USA)
- Fondation Cartier pour l'art contemporain,
 Paris (F)
- Rencontres d'Arles Photographie,
 Arles (F)
- Fotostiftung Schweiz, Winterthur (CH)
- Museum of Photography, Lianzhou (China)
- Foto Colectania, Barcelona (ESP)
- NRW Forum, **Düsseldorf** (DE)

ZHAW, Zurich University of Applied Sciences

School of Engineering:

Institute of Data Analysis and Process Design

- Prof. Dr. Helmut Grabner,
 Professor of Data Analytics
 and Machine Learning
- Fitim Abdullahu,

 Research focus Data Analysis

 and Statistics

Network cameras (webcams, surveillance, security, live and IP cameras) are constantly photographing what is happening and feeding the images **live** into the web.

The web is a camera, an incredibly huge camera.

The world puts itself in the picture; perhaps entirely in the sense of the established practices of **self-observation** for purposes of self-optimisation. However, net cameras are not only the eyes of the web; they work as **extensions** of our bodies. Because by means of the cameras, we look through the web, back at **the real world, at ourselves**.

This enormous image machine photographs live and simultaneously around the globe. Publicly accessible, these images show up somewhere on the net, photographed automatically, without the scrutinizing eye of an **author**. If we understand the web as a single personal camera system, the network cameras work as **lenses**. The screen becomes the **viewfinder** and the mouse the **shutter release**.

But if we let technology work by itself, an **algorithm** pushes the button. But does an algorithm take the place of the photographer, the author? Does it claim image rights? Is it **responsible** for the content? Or is it the operators, or perhaps even the technicians who installed the cameras and thus selected the image section? A **new mode of authorship** is emerging.

In the now, the world is photographically available.

The theorem of the **decisive moment**, which is constitutive of classical photographic history and is always bound to a place, is taken ad absurdum here: If this huge camera constantly photographs everything, this one decisive moment no longer exists. Rather, this moment extends spatially around the entire globe, it takes place **simultaneously.**

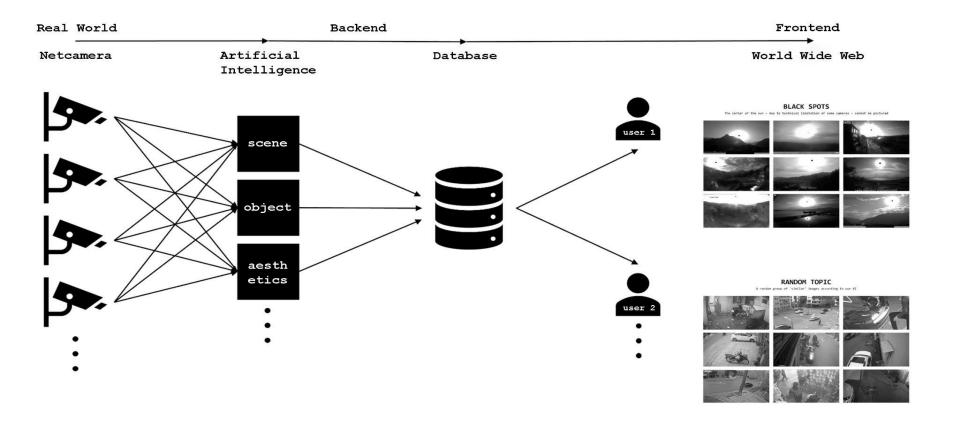
If we photograph thousands of these moments simultaneously and make them immediately visible online, we create an **encyclopaedia of the now**. Or in other words: we see everything thus assuming an almost God-like position.

This project is also about manifesting this spatially extended global moment and creating something like a **map of the world**.

Surveillance is only one aspect. What is much more important and powerful here is **observing the world** - and **learning** from it.

For this purpose, technology is required; because as humans, we are trapped in space and time.

Kurt Caviezel and the **ZHAW**, Zurich University of Applied Sciences, as cooperation partners, have jointly developed and programmed this **giant camera**.



Thousands of netcams are recorded in **our system** new ones are added continually.

The algorithms download more than **a million images** from the web, every day.

Each image is analyzed by an artificial intelligence (AI) and archived in our storage for 48 hours before being overwritten by the following ones.

As a user, you can now observe the world according to **predefined** criteria or according to **your own categories** by using the text search.

New features are constantly being developed and added to the world's largest camera.



Main page:



LIVE

The world at this very moment (9 out of 10231 online cams)



BRIDGES CARS

CHAIRS
CHURCHES
CLICKED
COMPUTERS
CORRIDORS
DEAD CAMS
DOORS
EMPLOYEES









Archive page:

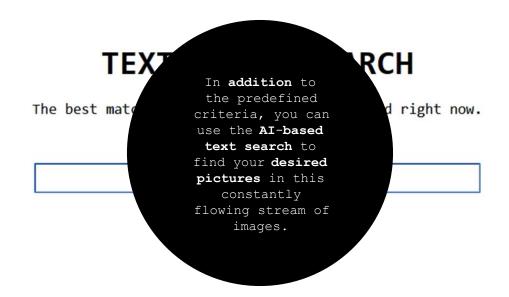


PAST HOURS





Text search:



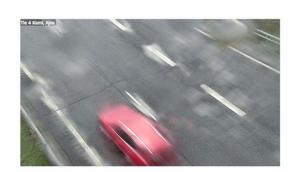












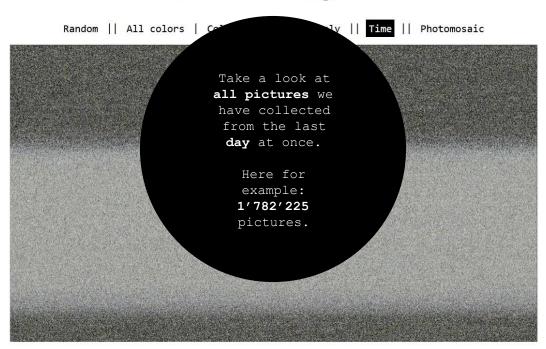






Big Data:

Time sorted with 1782225 images from 03.10.2024



Big Data:

📆 Big Data:

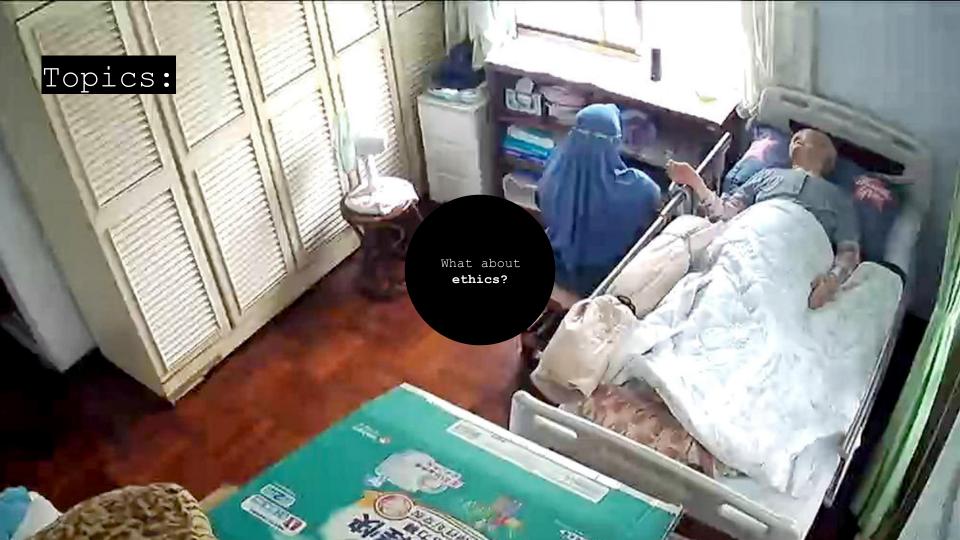
Topics:

Topics:







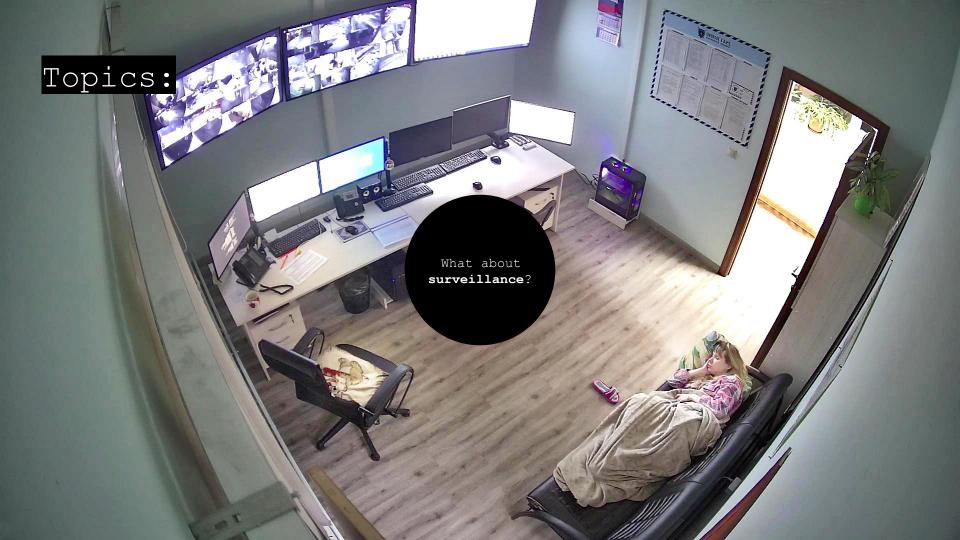


Topics:















Topics: What about the world?

Watching The World is...

- a permanently changing online exhibition
- an ai playground
- a research tool on sociological, ecological, political, philosophical, legal, artistic and all possible aspects of photographic practice
- the biggest camera in the world
- a pattern generator
- a big- and open-data project
- a reportage
- an authenticity monster

- a television
- a streaming service
- a surveillance vehicle
- a cabinet of curiosities
- an image floodgate
- a news portal
- a data collector
- a osint (open source intelligence) tool
- an encyclopedia of the now...etc. etc....

From single picture to the big picture:

Insights about the world can be gained with "Watching the World" by **shifting the focus** from the single picture to the big picture.

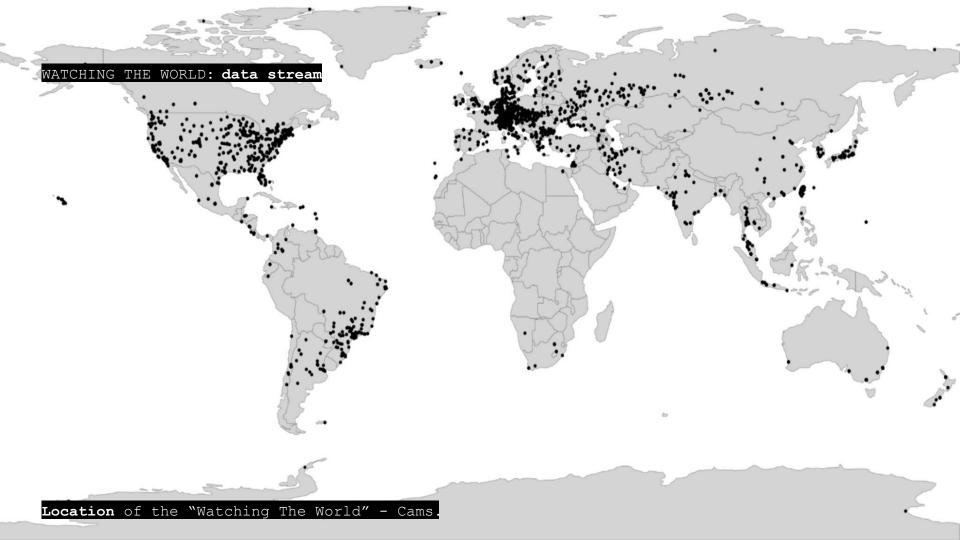
This is done by trying to **read** and analyze the **data streams** and **metadata** of the cameras, their **infrastructure** and their **practices**.

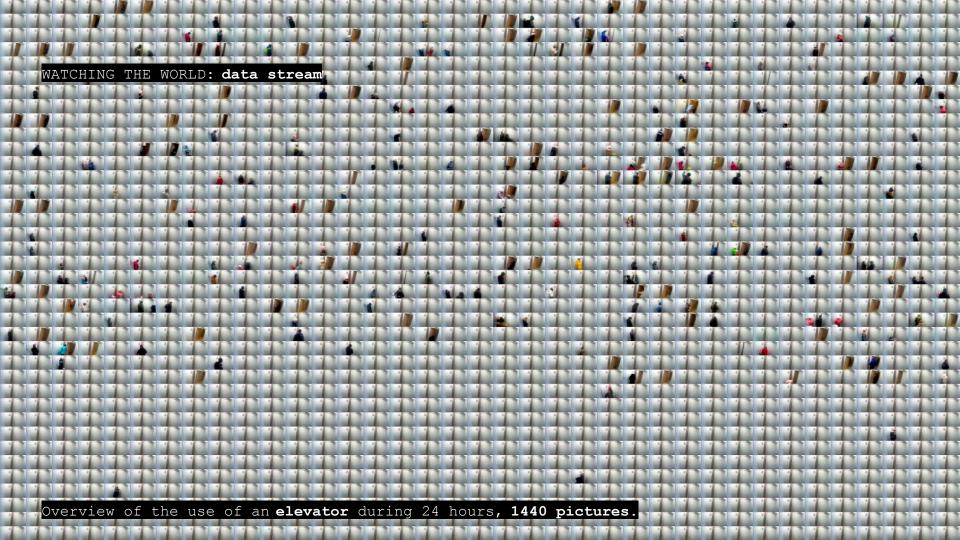
Pattern recognition is also used here.

For example, to investigate

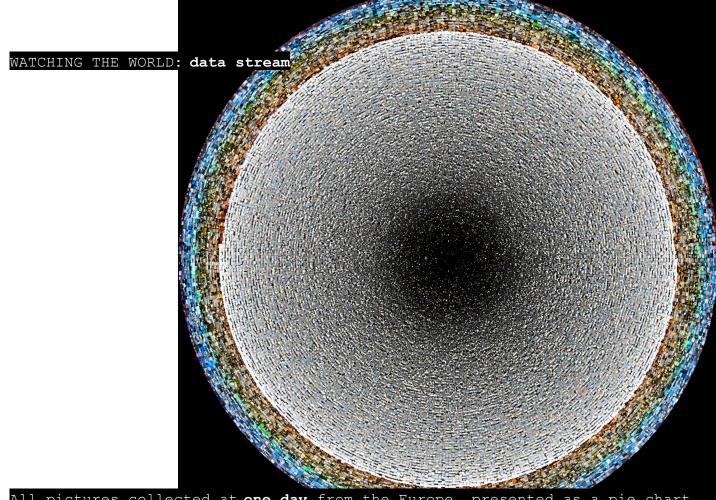
- where cameras are located and where they are not.
- what kind of camera is used where and why.
- what is shown where and what is not.
- where new cameras are connected to the network and where they are switched off.
- what can be recognized in patterns of large image conglomerates.

"WATCHING THE WORLD, The Encyclopedia Of The Now" can in this way also be used as a **trend barometer** for changes and developments in the world, as a **seismograph of world sentiment**.









All pictures collected at one day from the Europe, presented as a pie chart.

Presentation:

How are all these **images** and **data** displayed?

A wide variety of presentations are possible in **exhibitions** and **installations** - from prints in frames, wallpaper and videos to "big visual data" presentations on screens or as projections.

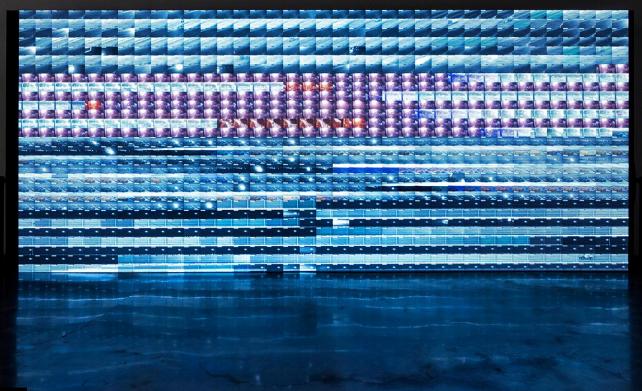
These image streams can now be made visible. Via our servers, these live images can be bundled in various modes and streamed in real time via the web **directly into the exhibition rooms**.

A Netflix of the real, so to speak.

Hundreds of thousands of images - in different modes - can be shown **simultaneously**.

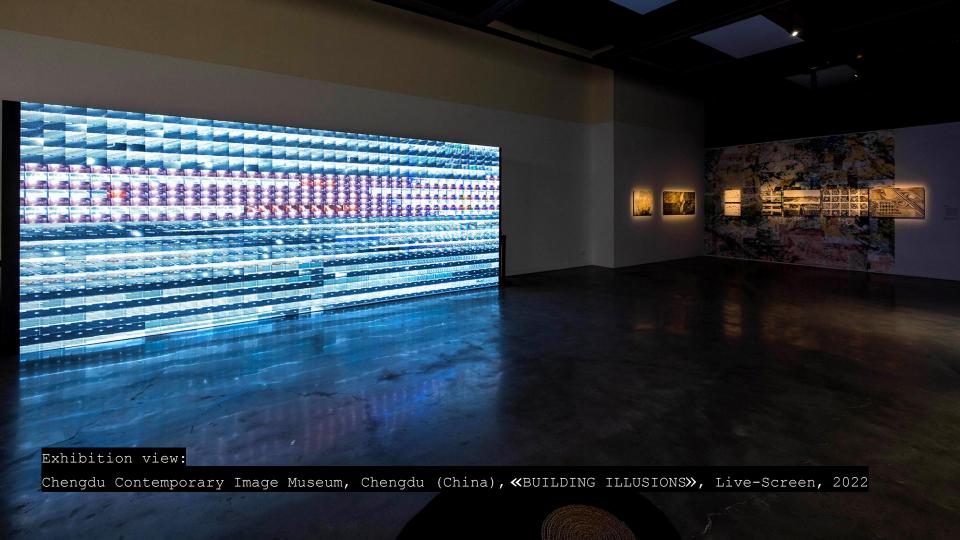
For example: The blanket coverage of an **entire room** with images, including the floor and ceiling. An "all over" concept, so to speak.

In live-online mode, every new image added changes the look of the whole.



Exhibition view:

Chengdu Contemporary Image Museum, Chengdu (China), «BUILDING ILLUSIONS», Live-Screen, 2022





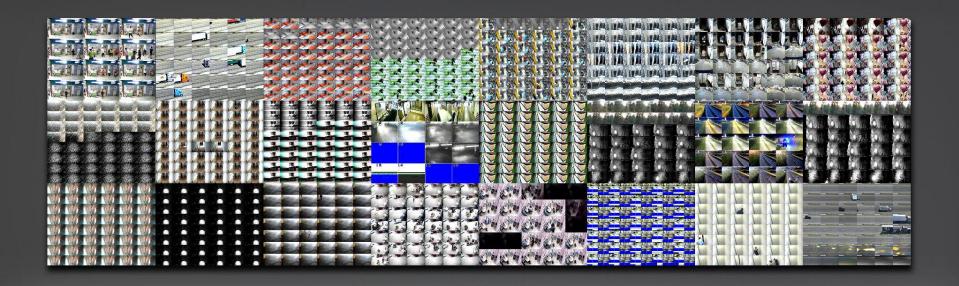


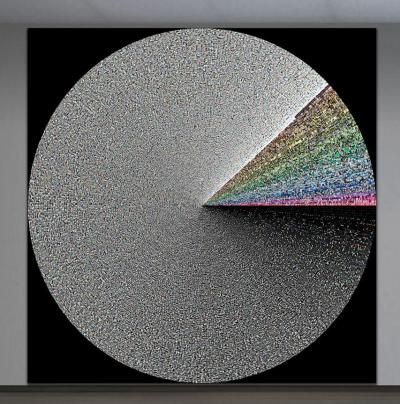


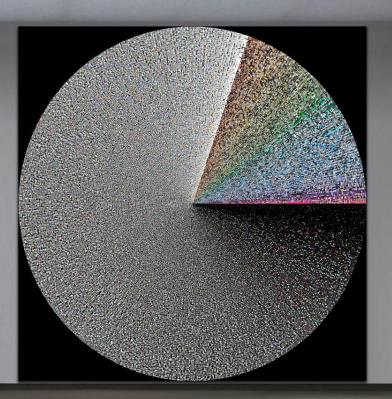














Birds / prints.





















Light Stripes / prints.





















WATCHING THE WORLD: press reviews



The New Hork Times

Photography's Shifting Identity in an Insta-World

A Share full article





L'Encyclopédie du maintenant, du photographe suisse. permet d'accéder à u demi-million d'images collectées et triées grâce à l'intelligence artificielle.

Souriez, vous êtes filmés ! Le travail du photographe suisse Kurt Caviezel dérange autant qu'il envoûte. Mais la teneur de son dernier projet n'en reste pas moins effravante. Grâce à 12.000 caméras, privées et publiques, installées un peu partout dans le monde, l'artiste de cinquante-six ans décrit le monde, en direct, via son site L'Encyclopédie du maintenant, mis en place avec le concours de l'Université de Zurich.













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≥ Newsweek



A view of Natalie Bookchin's "My Meds." from the artist's "Testament" series. Bookchin's work is featured in the International Center of Photography's "Public, Private, Secret," the inaugural exhibit at its new space in Manhattan

Election 2024: Donald Trump and Kamala Sun Belt 111 comments

How to Watch Kamala Harris' Georgia Ral Springsteen Tonight

Tucker Carlson Compares Donald Trump 1 Giving 'Vigorous Spanking

Kurt Caviezel Watching the World **European Photography** Born in 1964 in Chur, Switzerland. Lives in Zurich, Switzerland Runtzaviezelich, instagram.com/kurtzaviezel



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Woulding the World by Switze action Examt Car brased on the idea of seeing the would as a cases. With the help of algorithms, he cold ceoses consumition live tanges from public webcans every day, analyzes and categori using artificial intelligence and presents till. project website, where they can be sea o subject categories, image modes and t

able keywoods.

The project is made possible through with the Zurick University of Applied Scienginess at the Institute Sci Data Analys cess Design developed the software and necessary computing power and shough A central aim of Winshing the Wirid in with a constantly growing "encyclop-

Book:

THE ENCYCLOPEDIA OF KURT CAVIEZEL

Author: Kurt Caviezel

Publisher: <u>Rorhof</u>, Bolzano, Italy Foreword by Joachim Schmid

e/i/d

Format: 414 pages, hardcover, 16x24cm

First editions

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The
ENCYCLOPEDIA
of
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Go live and watch the real cctv-view on our lives:

https://webcamaze.engineering.zhaw.ch/

