

VIDEO ARTIFICIAL INTELLIGENCE
Valossa Product Introduction
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About Valossa

Valossa has built a video understanding platform based on Artificial Intelligence.
Valossa AI software is able to understand everything that is said and shown in a video.

Valossa is a Nordic spin-off from the University of Oulu founded in 2015.

PhDs and MScs with world-leading experience in computer vision, machine learning, and video information retrieval. Over 50 years of combined R&D experience for video intelligence systems.

2 MUSD funding secured in August. Investors are 01 Ventures from UK and Reaktor Ventures and Butterfly Venture from Finland.



Valossa AI Video Intelligence and Recognition Platform

VIDEO RECOGNITION APIS

RECOGNIZE PEOPLE | OBJECTS | SCENES | STYLES | SOUNDS

SPEECH | EXPLICIT CONTENT

















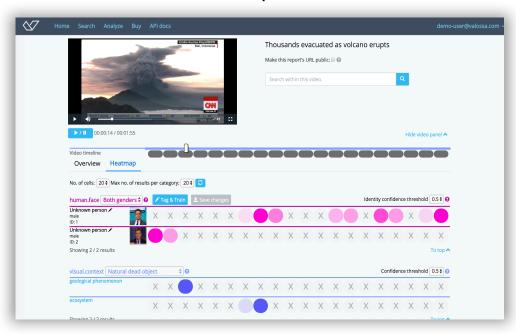






VIDEO INSIGHT TOOLS

SEARCH CLIPS AND SCENES | VIEW AI REPORTS
SEE VIDEO OVERVIEWS | TAG AND TRAIN FACES

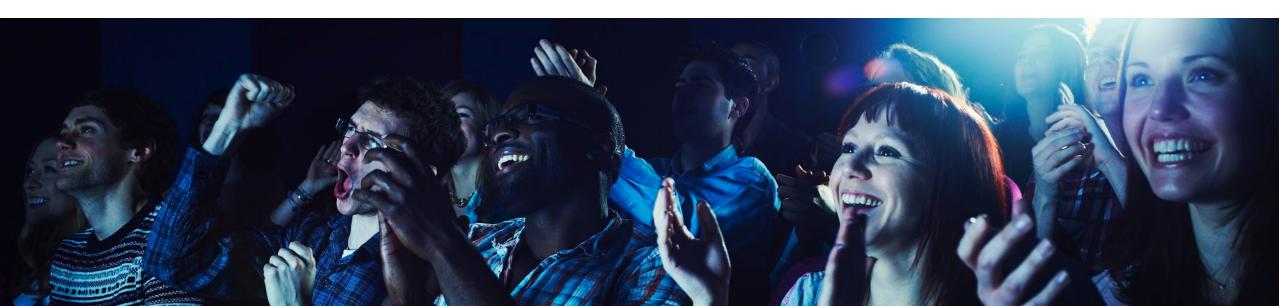


ENTERPRISE CUSTOMIZATIONS

Valossa Use Cases for Media Industry

- Content Search and Management
- Extracting Highlights
- Post-production Edits
- Consumer / Viewer Understanding
- Speech Transcripts with Name, Organization, Location and Generic Keyword Extraction

- Quality Compliance
- Aggregated Video Insights
- Search Engine Optimization
- Ads / New Consumer Experiences
- Personalized Recommendations
- Real-time stream monitoring



Highlighted Use Cases

Content Search and Management

- Index all of your video assets and discover scenes by describing them
- Save time to find re-usable content clips for new productions



Quality Compliance

- Let AI monitor for nudity, violence and profanities
- Help compliance teams to improve their productivity through automation

Real-time stream monitoring

- Find if products, brands or known people appear in live streams
- Make live video actionable, insert dynamic ads or alert for specific events

Video Recognition Capabilities in Core API



Faces and identities

Detects individuals and groups of people, and recognizes identities.



Visual concepts

Recognizes what is seen in a video: objects, settings, events and activities.



Audio concepts

Identifies audio concepts such as sounds, music styles and human voices.



Spoken keywords

Extracts uniquely descriptive keywords and topics directly from speech or transcript.



Video categories

Categorizes the themes in a video using IAB content taxonomy.



Explicit content

Recognizes and tags moments of visual nudity and spoken profanity.



Shot boundaries

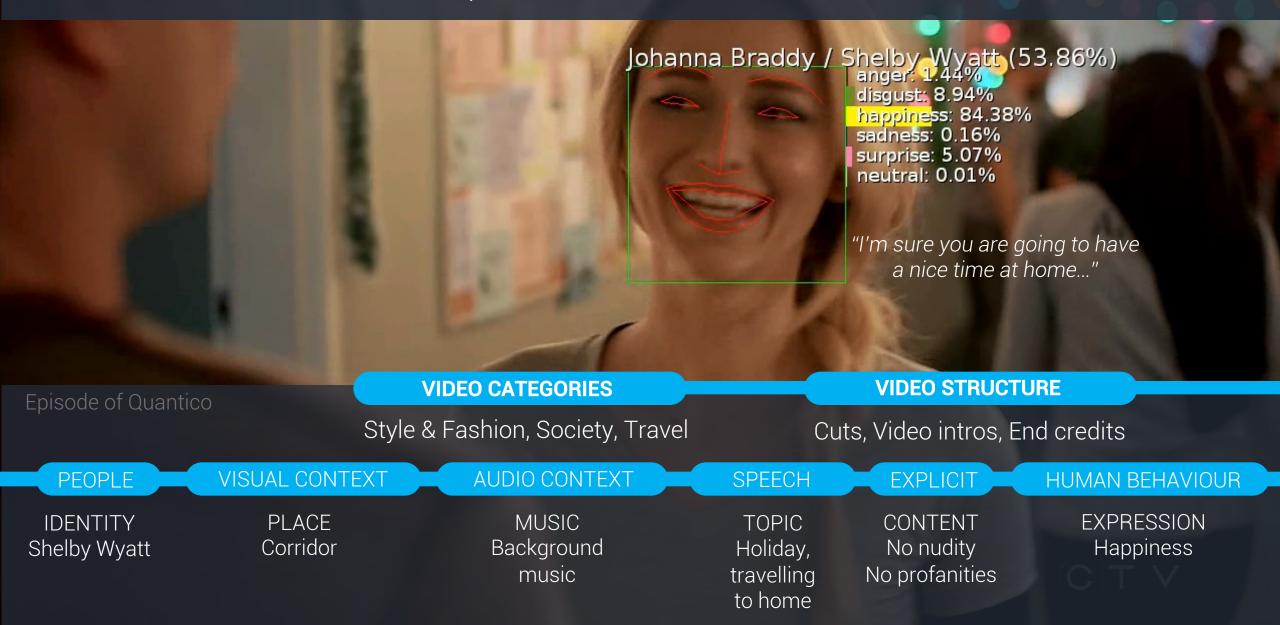
Detects scene and shot boundaries.



Human analytics

Coming soon! Recognition of face expressions and much more.

Valossa Video Recognition -Most comprehensive solution in the market



VISUAL RECOGNITION CATEGORIES



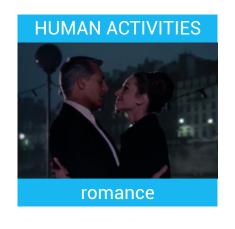




















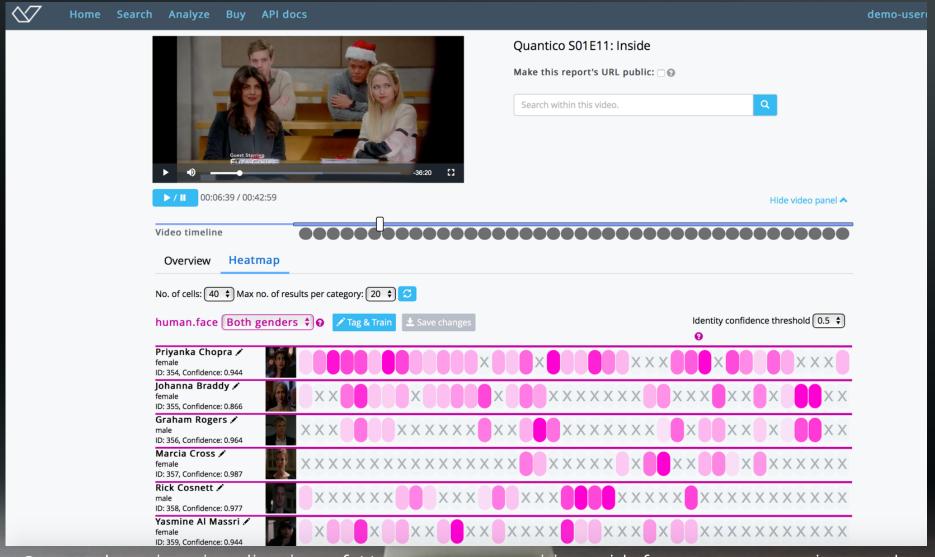






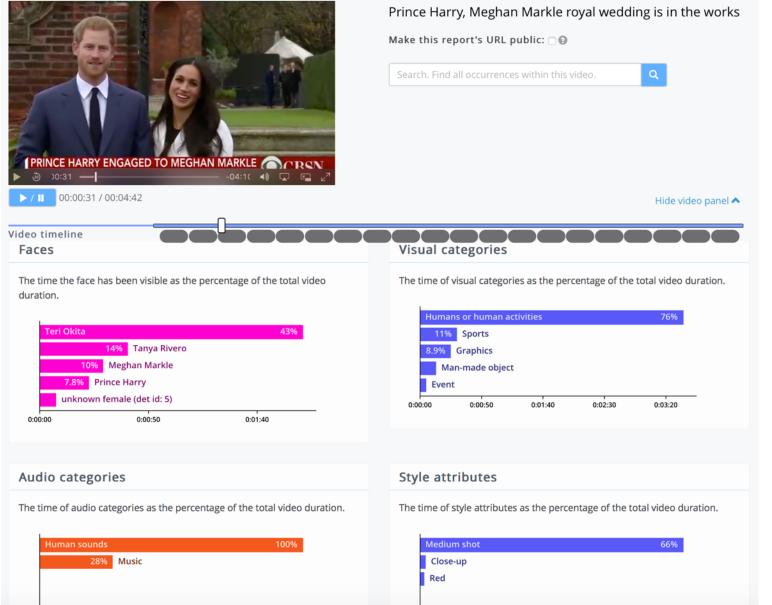


Video Insight Tools – What is Inside Customer Videos?



Comprehensive visualization of AI content recognition with frame accurate time codes. Examine the full structure of your videos in a glimpse.

Part of the Video Insight Tools

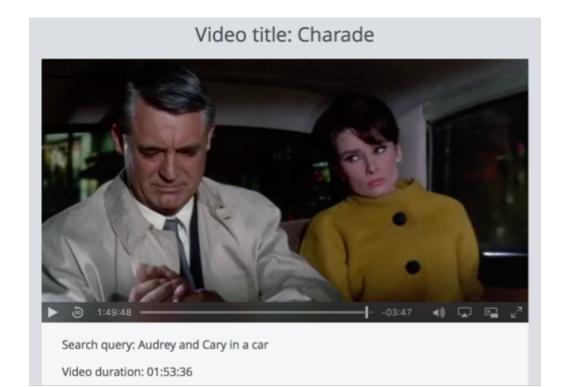


Video Overviews

Valossa Reports give you a categorized overview of names, people, scenes, objects and styles that appear visually, or are mentioned in the speech track of your videos.

Scene Search

Valossa AI indexes every recognized person, object, scene and audio sound.
Search and discover scenes using natural language queries.



Tag & Train



The best tools are personal. You can edit the recognition results and establish personalized recognition.

Insight Tools Benefits

- Rapid scene discovery for clipping
- Video SEO optimization, recommendations and metadata ingest
- Speech recognition and keyword analysis for content profiling
- Highlighting important people, organizations, locations and brands
- Face training for custom person libraries
- Content recognition APIs for integrating intelligence to your workflow systems



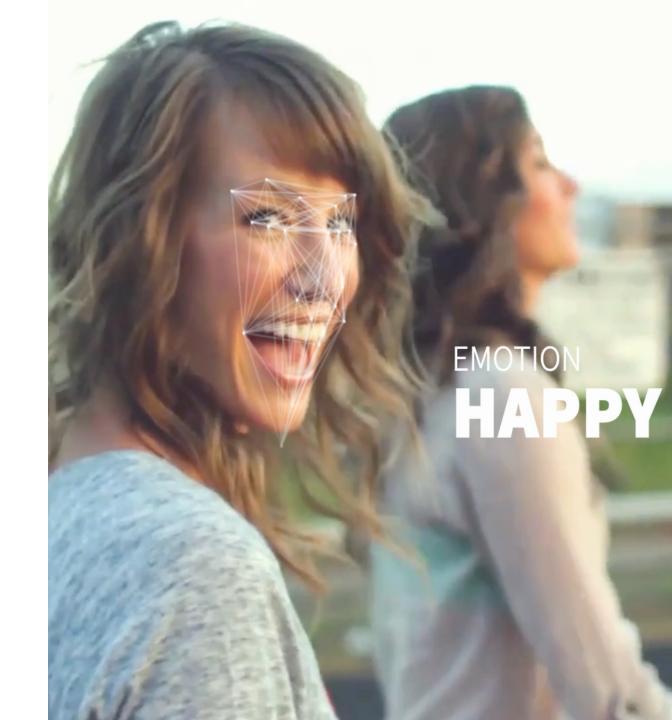
Custom Services

TURN-KEY SOLUTIONS TO AI TRAINING

Tell us your business needs for recognition. We will annotate data, train models, validate results, and include it as a custom recognition pipeline.

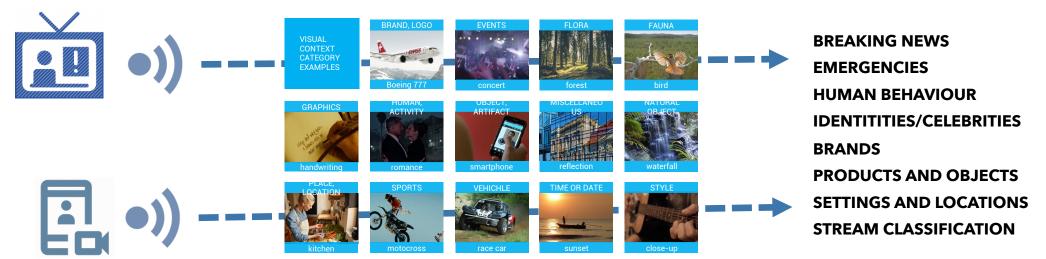
Exclusive recognition models for new audiovisual categories, objects, landmarks and locations, persons, activities, facial expressions and gestures, audiovisual styles and moods can be tailored.

On-premises installations and integrations to custom workflow systems



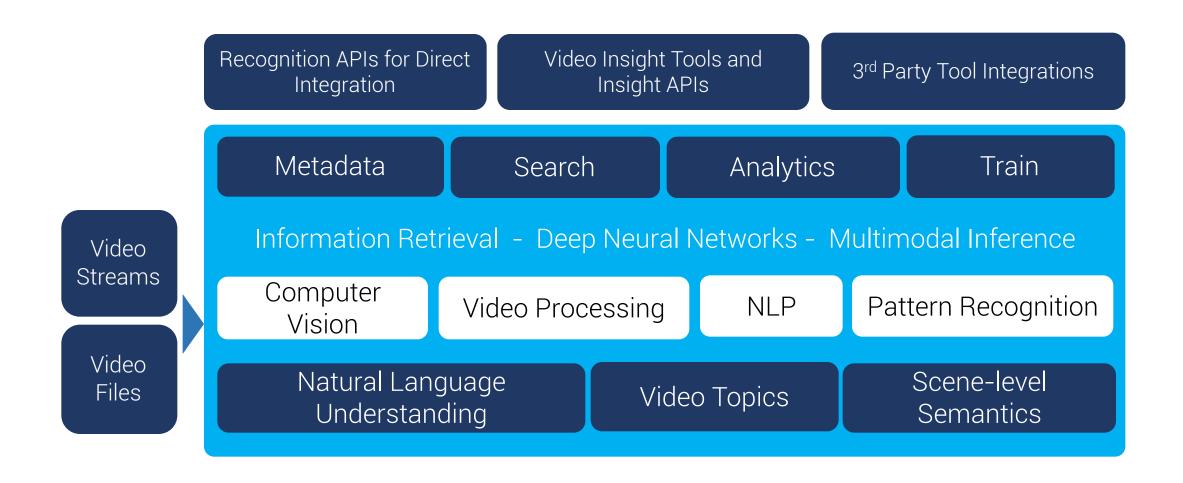
Real-time Video Stream Monitoring

REAL-TIME RECOGNITION API



LOW-LATENCY LIVE OBJECT RECOGNITION
OF E.G. PEOPLE, LOGOS, PRODUCTS, EVENTS

Full Stack AI Solution

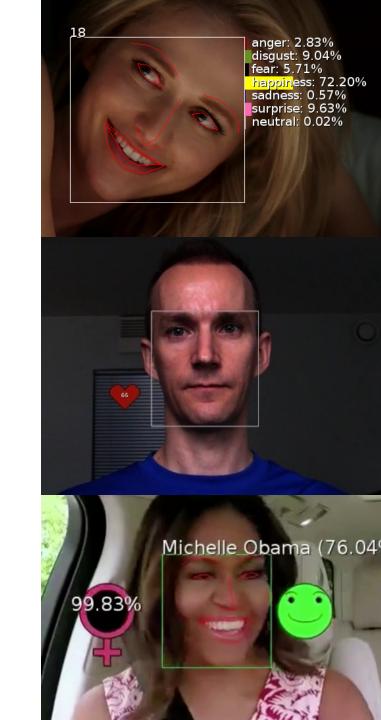


Valossa Human Analytics

A toolkit for analyzing human faces in a video and recognizing

- People
- Gender (Age)
- Face expressions
- Heart rate
- Head pose / Facial direction

Human analytics can be applied to any video or camera feed, or video file, without specialized equipment. In some cases IR (infrared) video can also be used.



Engagement with Enterprises

Proof-of-Concept
Start working together
with limited set of content

lacksquare

Deployment
Commercial deployment
of Valossa Core



Target setting



Training



Build & Validate



Piloting



Workflow Integration

Setting the objectives for the project

Training the AI with your content

Implementing the tools and early integrations to test in customer use case Piloting with your content and validating results

Integration to your workflow

Valossa Al Products



VIDEO RECOGNITION

Comprehensive video analysis and recognition suite to produce rich metadata from videos



VIDEO INSIGHT TOOLS

Scene-level video search, recognition overviews and simple tagging for training people recognition



CUSTOM SERVICES

Customizable recognition models, real-time and onpremises content recognition solutions

Business Model

PoC

Implementation fee + analysis price

Custom work to validate Valossa AI in your use cases

Valossa AI based solution concepts

Workshops and support

Separately agreed

Standard SaaS

\$ / video minute

Multitenant cloud service for video recognition

Access to online video tools

Online Technical Support

Billed monthly

Enterprise

Monthly subscription

On-premise and dedicated hosting solutions

Valossa AI + tools integrated solution

Dedicated support and Maintenance

Billed monthly or annually





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