

LTU engine

image recognition & search platform

LTU engine is the software platform that brings image content recognition and search tools to leading organizations worldwide.

Based on sophisticated computer vision algorithms and proven technology, LTU engine is designed to automate, reduce and simplify manual processes and significantly enhance the end-user experience for searching, filtering, indexing, moderating and the deduplication of image content.

LTU engine is a scalable software platform that allows you to select the functionality that best fits your requirements. Designed as a toolbox, offering leading image recognition and search technologies for a wide range of systems, LTU engine can quickly and easily integrate with your solution to bring unprecedented results.

UNLEASH THE POWER OF YOUR VISUAL CONTENT

Image Matching



Find same images or edited images

Quick detection of the exact image or images that have been edited, resized, cropped, polluted, compressed (mobile), angled or in any way distorted.

- Simplified and quick search
- Content deduplication
- Mobile advertising (photo & print)
- Copyright detection/protection

Image Similarity

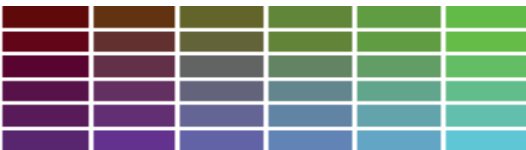


Find images with similar characteristics

Based on shapes and colors, images are sorted from most to least similar. Color/shape parameters can be used alone or in any weighted combination and image content used to narrow & widen results.

- Complement textual search
- Engaging & relevant browsing
- Visual merchandising
- Forensic investigations

Color Search



Find images based on colors

Identification of the most important colors in an image, enables search by a specific color or combinations of colors extracted from the image.

- Complement textual search
- Engaging & relevant browsing
- Visual merchandising
- Color palette analysis

Upload & Search



Upload and find matching or similar images

Advanced color, similarity and matching search features by using an image as search query instead of keywords. Images used as queries can originate from camera, mobile phone, scanner, desktop or URI.

- Search without keywords
- Click & Shop
- Copyright detection/protection
- Investigations

Content Detection



Find images with specific content

Pre-specified profiles enabling the grouping and detection of images with distinct similarities e.g. documents with printed content, faces and adult content.

- Complement textual search
- Content moderation
- Forensic investigations

The global standard for image recognition and search

LTU engine is powered by robust and extremely fast image analysis algorithms deployed within a modular, adaptable and highly scalable software platform.

With lightweight libraries, scalable servers, flexible algorithms and multiple SDKs, LTU engine is designed to integrate seamlessly with existing software platforms or provide an advanced image



The tools you need. The delivery model you prefer.

LTU engine is highly adaptable, compatible with any data structure and can be integrated with any API enabled software via HTTP. Depending on your requirements, you select the delivery model that best fits your business.

Quick & Reliable

Easy & Seamless Integration

Scalable & Flexible

Cost-Effective

Proven Results

Licensed Software

You invest in, build the architecture and host and maintain the platform internally.

LTU engine/ON demand

Minimum upfront investment required from you and LTU technologies hosts and manages the platform.

Cutting-edge image recognition and search technology - Adding value to any organization that deals with visual content.

eCommerce

Visual merchandising & personalization with dynamic recommendations based on color and similarity user patterns

Browsing & search functionality to help users find what they are looking for

Mobile Marketing

Mobile advertising - "snap & match" - submit a photo to receive brand/product details, promos, pricing, purchase online etc.

Mobile shopping assistants - retrieve information about photographed item e.g, outfit recommendations.

Law Enforcement

IP investigations - tracking and detection of logo usage and the identification and tracking of counterfeit goods.

Multimedia forensics, eDiscovery and stolen items investigations

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