

RAYPACK[®]

A.I. ARTIFICIAL SOLUTIONS

AI Platform

RAYPACK AI Platform

The RAYPACK AI Platform is a fully integrated platform enabling users to deploy and develop AI models (Fig. 1). We offer ready-to-deploy as well as custom models to improve the efficiency of your business with AI. All our models are deployable as a service on our RAYPACK AI platform or can be conveniently embedded into existing systems on-premise.

The simple design of our platform makes it easier to use than other cloud computing services (especially for AI novices), while still offering flexibility to experts. We provide businesses with the capabilities to use the enormous potential of AI models, without creating AI dependencies.

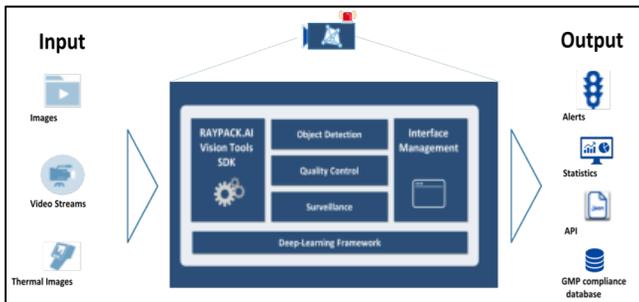


Figure 1: The RAYPACK AI Platform offers a fully integrated solution for the development and application of AI models.

Use Cases

RAYPACK.AI models can be deployed in a variety of business applications. This includes:

- The usage of RAYPACK Object detection to automatically alert staff of food retailers to spoiled goods in the market
- Identifying the number of available parking spots in a parking lot (Fig. 2)
- Increasing the efficiency of content production in large German media houses



Figure 2: Automatic extraction of available parking spots from surveillance footage.

Ready-to-deploy models

Our pre-trained models include models for face, object and pose detection in images, videos or VOD. Here are a few of our most successful models:

- **RAYPACK Face AI** is our AI model, for detection as well as identification of faces. It offers unprecedented performance even with images of occluded faces and large crowds.
- **RAYPACK Multi-Object Detection** is our base model for the detection of all kinds of objects. It has over 1000 pre-trained objects and can easily be adjusted to suit every object detection need by using our transfer learning functions.
- **RAYPACK Human Pose** detects up to 18 key points of the human body and thus enables to deduce detailed posture information from images and videos. It is used to analyze movement patterns and assert that physical exercises are performed correctly.
- **RAYPACK Video Recognition** is an object detection model optimized to process videos frame by frame. Similar to the standard object detection model it includes over 1000 pre-trained objects and can easily be custom tailored to your needs.

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Key Features

The RAYPACK AI Platform provides several advantages as indicated below:

- Works with images, VOD or live streams
- Provides easy to use JSON or rendered images as output
- License on-premise or cloud
- Supports CPU, GPU Desktop and ARM
- Simple to embed in existing systems
- GDPR compliance facilitated

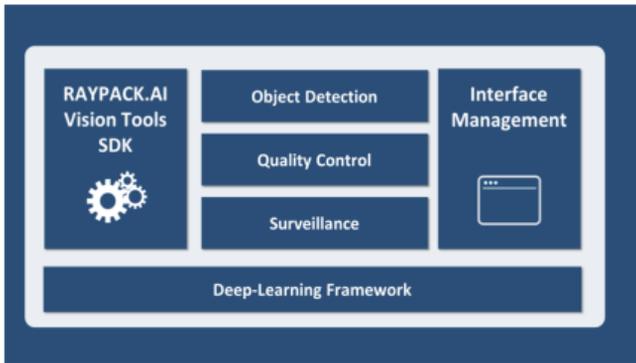


Figure 3: On top of Deep-Learning models our RAYPACK AI platform offers a variety of tools designed to increase the efficiency of your workflow.

Architecture

Besides our ready-to-deploy models, our RAYPACK AI platform offers:

- An intuitive user interface and API
- RAYPACK Vision Tools SDK to simplify the import and usage of images and videos
- Surveillance and quality control of deployed models

The platform is designed to facilitate accessibility for AI novices and help experts to gain the highest possible flexibility. Together with our hardware partner [Rebotnix](#), we leverage extensive knowledge in the deployment of AI models.

Want to know more?

Are you interested in learning more about RAYPACK AI Platform? Visit our website under the [product](#) and [use cases](#) page. Also, check out our [video](#) page for an overview of our AI services.

About RAYPACK

Having an experience of over 15 years in Big Data and Visual Analytics, our team has been continuously developing the roots of RAYPACK.AI to meet the market needs perfectly.

With substantial expertise in Visual Computing, we focus on bringing together AI and businesses by offering customized, highly scalable AI software solutions that power manufacturing, quality control, and other fundamental business processes.



Contact us

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