IVA Technologies is a Russian manufacturer of telecommunications equipment and software. Solutions based on IVA hardware and software enable building a secure, high-performance IT infrastructure of various scale.

IVA Terra is a speech recognition system based on neural networks, designed to ensure high accuracy and reliability. It is designed for efficient audio data processing, including accurate recognition of punctuation and numbers. The system is suitable for creating meeting reports in IVA MCU and other IVA products.

Advantages

- **High accuracy:** IVA Terra is characterized by a high probability of correct recognition

- **High performance:** Automation of speech recognition and data processing reduces the time required for report preparation and analysis

- **Security:** On-premise solution keeps data fully under proprietary control and is protected by physical security means

- **Multi-language transcription capability**

- **Data accuracy enhancement:** Accurate recognition and subsequent data analysis minimize the risk of errors, facilitating informed decision-making

Features

- Creation of text documents based on audio / video conference results or uploaded audio files, with timestamps and speaker identification

- Generation of**:**
  - meeting summaries,
  - task lists (minutes) based on transcription results

- Automatic recognition and placement of punctuation marks, numbers, dates and document numbers

- Support for specialized vocabulary in finance, medicine, industry, etc.

- **Supported languages:**
  - Russian
  - English

System requirements

Server requirements

CPU

- Intel Core i7-14700K (20 cores, 2.5–3.4 GHz)
- Intel Xeon Gold 6330 (28 cores, 2.0 GHz)

GPU

- NVIDIA RTX 4090 / NVIDIA A16
- 2 × Tesla A100 (80 GB) / H100 (80 GB) with ADP module

RAM

- at least 64 GB

Storage

- SSD / HDD at least 1 TB

Operating System

- Ubuntu with containerization support

Installation

- Docker containerization system
- Docker Compose plugin

Protocols

- HTTP / HTTPS
- TCP / IP

Network interface

- at least 1000 Mbit/s

Administrator PC requirements

Management

- API, Web Interface

Operating System

- Windows, MacOS, Linux

Browsers

- Google Chrome, Firefox, Edge, Opera, Safari, Yandex

Technical Support and Maintenance

Technical Support

- According to purchased technical support terms

Updates and maintenance

- Regular updates for performance enhancement and new feature deployment