

## VIS-A2T100 Speech-to-Text Server Datasheet V1.0



## 1. Product Overview

The VIS-A2T100 speech-to-text server is an intelligent transcription platform for professional conferences, supporting multi-conference processing and multi-unit control. With fully offline private deployment, it ensures data security and delivers accurate transcription through speaker diarization technology. It integrates conference management, file presentation, recording archive, and document distribution for conference rooms, command centers, courtrooms, military command, education and research institutions, and government auditoriums.

## 2. Features

- **Efficient Cooling System**

Optimized airflow with temperature-controlled fans for efficient heat dissipation.

- **Large-Capacity System Memory**

Equipped with 16GB memory, providing sufficient resources and redundancy to enhance multitasking performance and ensure stable, efficient operation.

- **4K Ultra HD Video Output**

Supports 4K@60Hz output for large displays and high-resolution conferences.

- **Multi-conference Processing**

Simultaneous real-time transcription of multiple conferences with independent data processing.

- **Distributed Subtitle Display**

Multiple display nodes with synchronized real-time conference subtitles.

- **Cross-platform Compatibility**

Mainstream operating systems, including tablets, iOS, Android, macOS, and Kylin OS, enabling seamless cross-platform microphone management.

- **Fully Offline Private Deployment**

Provides local deployment with network isolation for secure confidential conferences.

- **Hardware-based Speaker Diarization**

Combines hardware assistance and voice recognition for accurate speaker identification and transcription.

- **Permission & Scheduling Management**

Supports user permissions, meeting scheduling, attendee management, and access control.

- **Centralized Microphone Control**

Remote microphone management, including mute/unmute and speaking approval.

- **Built-in File Presentation**

Supports document upload and server file display for synchronized audio, text, and image presentation.

- **Multi-level Recording Archive**

**Full recording:** Complete meeting audio archive.

**Speaker tracks:** Individual speaker audio extraction and storage.

**Clip recording:** Separate audio clips from microphone activation to deactivation.

- **Structured Meeting Records**

Generates time-ordered transcripts linked with speaker identities for traceable archives.

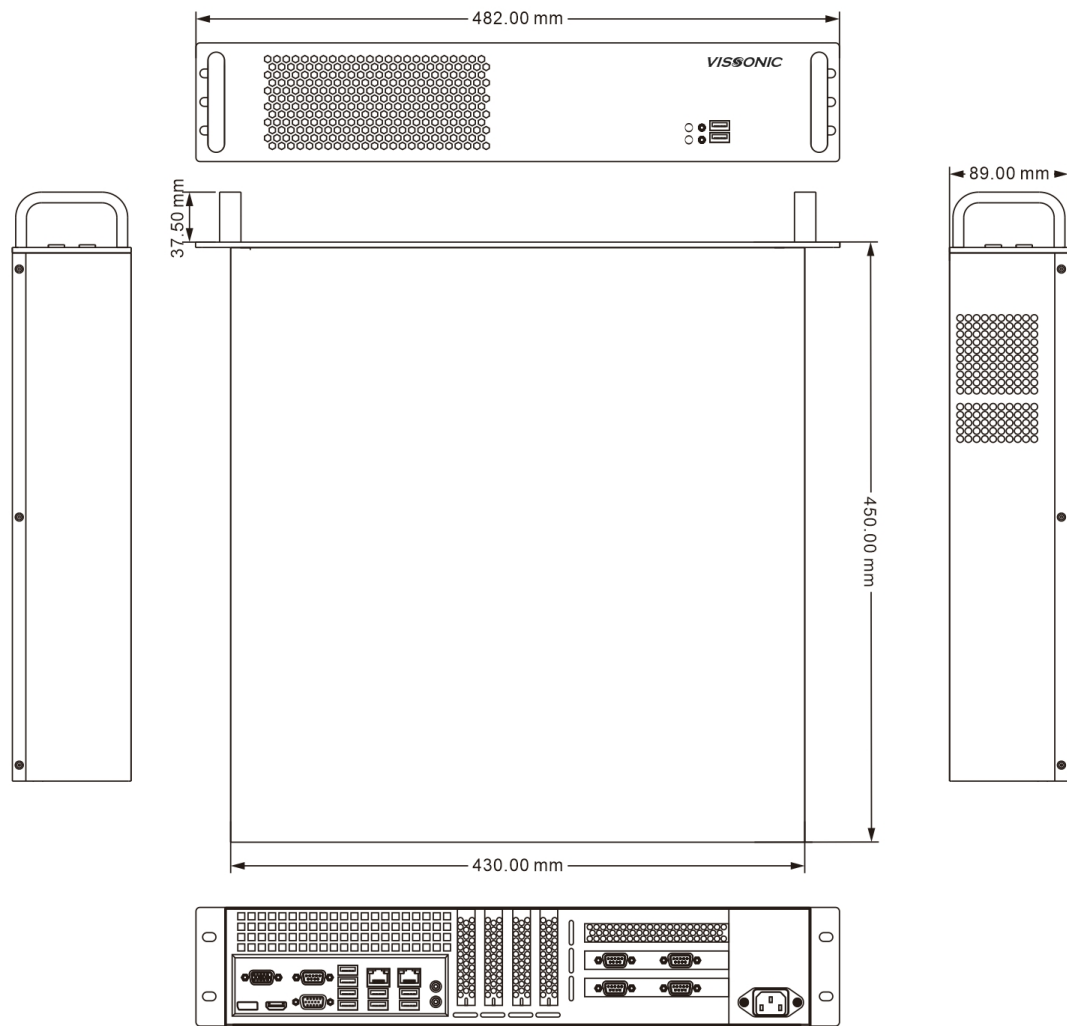
- **QR Code File Sharing**

Generates meeting QR codes for quick access to audio, transcripts, and presentation files.

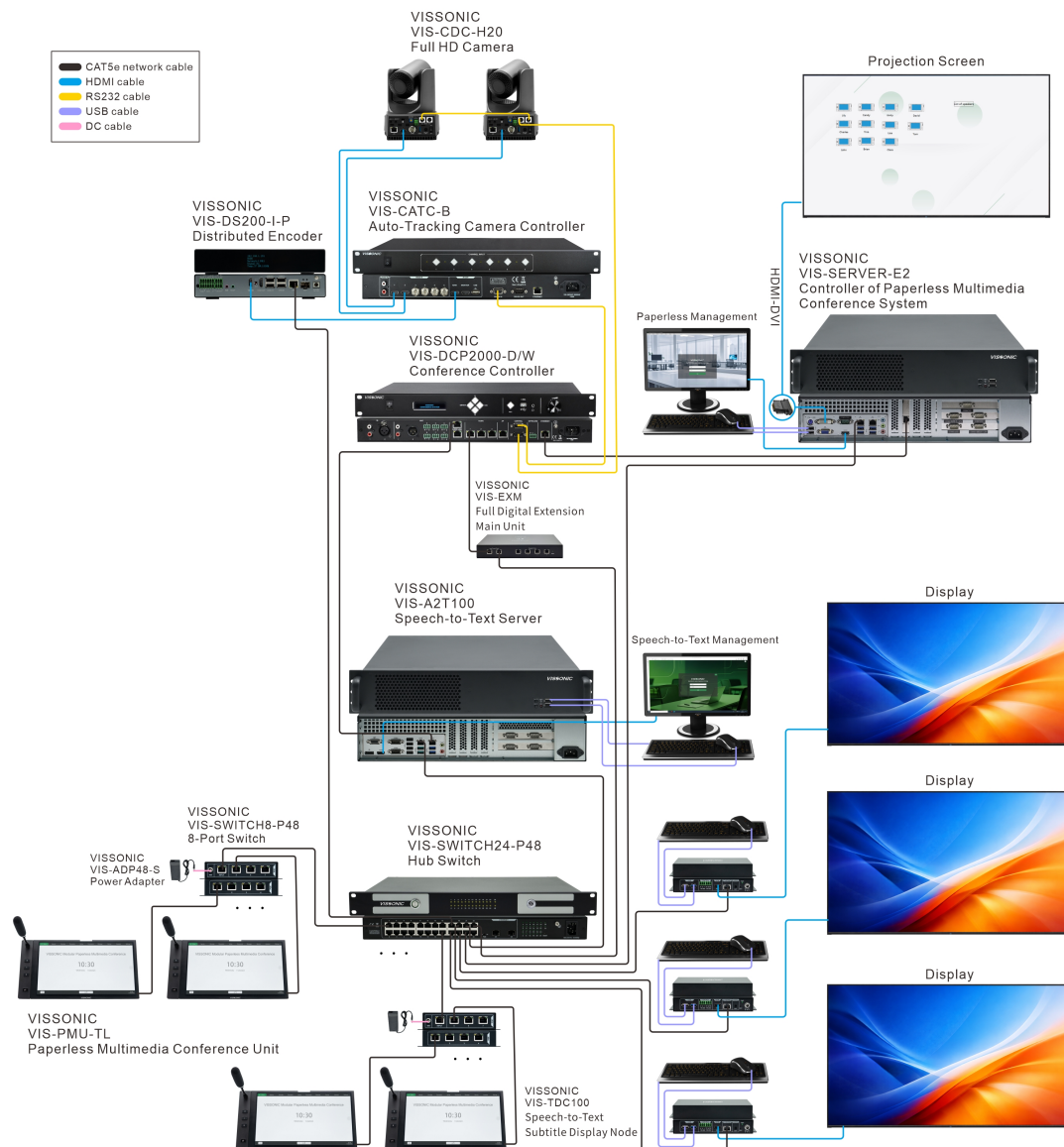
### 3. Performance Parameters

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| Model                            | VIS-A2T100                                                                                                  |
| CPU                              | Intel Core i5-12400                                                                                         |
| Memory                           | 16GB DDR6                                                                                                   |
| GPU                              | Integrated Graphics                                                                                         |
| Operating System                 | Windows 7/10/11, Linux, etc.                                                                                |
| Maximum Power Consumption        | 500W                                                                                                        |
| Storage                          | 128GB M.2 + 1TB HDD                                                                                         |
| Network Ports                    | 2× RJ45, 10/100/1000Mbps                                                                                    |
| Audio Interfaces                 | 1× Line Out, 1× Line In                                                                                     |
| Video Interfaces                 | 1× VGA (up to 1092×1200@60Hz),<br>1× DP (up to 4096×2160@60Hz),<br>1× HDMI (HDMI 2.1, up to 4096×2160@60Hz) |
| I/O Ports                        | 10× USB (Rear: 8× USB, including 2× USB 3.2 Gen2, 2× USB 3.2 Gen1, 4× USB 2.0; Front: 2× USB 2.0)           |
| Serial Ports                     | 6× RS232 (optional RS485)                                                                                   |
| Operating Temperature / Humidity | -10~50°C/ 5%~85% RH (non-condensing)                                                                        |
| Power Supply                     | AC 100-240V                                                                                                 |
| Dimensions (W×H×D)               | 482×89×450(mm)                                                                                              |
| Weight                           | 6.82kg                                                                                                      |
| Color                            | Black                                                                                                       |

## 4. Mechanical Drawing



## 5. System Diagram



### **About VISSONIC Electronics Limited**

Our mission is to develop and manufacture the most comprehensive and innovative audio visual products for our clients. We provide the best performance/price ratio products because it could give you satisfaction just from the time you use them, we believe the good design with cutting edge technology on products will provide value to all our partners and end users. Listen to your demands, we fulfill it.



4/F, Building G7, No. 31 Kefeng Road, Huangpu district, Guangzhou, China

Tel: +86-020-82515140 • E-mail: [info@vissonic.com](mailto:info@vissonic.com)

@2026 VISSONIC Electronics Ltd. all rights reserved.