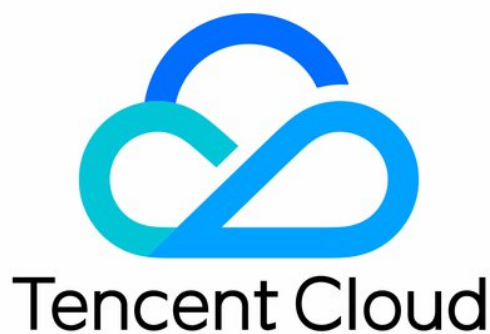


Digital and Intelligent Medical Imaging Platform Getting Started Product Documentation



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PC Client

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Overview

The Digital and Intelligent Medical Imaging Platform (AIMIS) offers a variety of medical imaging applications, AI-assisted diagnosis, and powerful imaging browsing tools, meeting the full-scenario needs of interconnect within and between healthcare institutions, reducing costs and increasing efficiency. This article provides a quick guide to operating and using AIMIS on PC.

Signup and Login

Signup

For the Medical Alliance admin account, please contact Tencent Miying staff to activate it in the backend. For regular user accounts, please contact your organization administrator to add and activate them.

Log In

AIMIS offers multiple login methods for you to choose from, including **Account and Password Login, QR Code Login**. When logging in for the first time, you need to scan the QR code to follow the Tencent Miying official account, complete mobile number verification and binding, and set an initial login password to log in successfully. If you are an organization administrator, click **Administrator Log-in** on the login page to switch to the management platform login.

Remote Diagnosis

After logging in successfully, you will enter the main interface of the AIMIS cloud platform, where you can perform remote diagnostics and view patient information and checklists uploaded by your healthcare institution to the cloud.

Image Browsing

Double-click any examination in the Checklist to enter the image browsing page and view patient images.

Report Editing

In the operation bar of the Checklist, click the **Report** of any examination to enter the report editing page for that examination.

Report editing: Users can edit and save reports.

Report review: Users with permission can perform initial diagnosis, review, and print reports.

Compare images: Users can select multiple checks to compare images.

Insert knowledge base entry: Users can insert knowledge base entries into the report body.

Note:

Only one user is allowed to edit a check report at a time. When you are editing, the report's edit status will be locked to you. The edit status will be released after saving or review, or it will be automatically released after 30 minutes of inactivity.

Examination Management

Users can manage checks in the Checklist.

Check filter: Users can quickly filter by check date.

Check sorting: The check list supports sorting by check time and printing time in reverse or ascending order.

Remote Consultation

Users can click **Remote Consultation** in the navigation bar of the AIMIS cloud platform to enter the remote consultation list, where you can conduct multidisciplinary consultations within or between institutions.

Create Consultation

Users can click **Create Consultation** in the consultation list to enter the consultation creation page.

Invitation target: Users can select consultation departments or targets from the contact list and choose mandatory participants. The consultation will be successfully initiated only after all mandatory departments have approved.

Consultation materials: Users can associate the patient's ID number or HIS number with the cloud-based patient information and examination information for the current consultation. It also supports file upload from the local device.

Consultation Review

Users can review consultations in the consultation review list, provided they have review permission.

Adjust expert: On the consultation review page, the review user can click **Adjust Expert** to modify the participating experts of the adjusted department.

Review consultation: The review user can click **Agree and Join, Agree, Deny** to review the consultation.

Join a Consultation

After the consultation review is completed, all invited participants can join the consultation from the consultation list.

Consultation room: All participants can click **View Consultation** to enter the consultation room and view consultation information, patient information, cloud-based materials, uploaded materials, and consultation process

information. Users can click **View an Image** to browse DICOM images and click **Image Report** to view the report content corresponding to the current cloud-based image.

Audio/Video consultation: All participants can click **Start Audio/Video Consultation** to enter Tencent Meeting and start the consultation. The system will automatically guide the transition to Tencent Meeting.

Consultation Report: All participants can edit the consultation report in the consultation room. Click **Edit** to activate the report editing for content writing. After completion, you can save, submit, and print.

Large Language Model AI Report

The AIMIS cloud platform provides users with large language model AI reporting capabilities. When editing diagnostic reports, users can utilize the large language AI model for disease interpretation of report content, comparison with historical reports, and quality control error correction.

Disease report interpretation: Generate interpretation of the report's disease meaning and provide health suggestions by inputting the diagnostic report into a large language AI model.

Historical report comparison: Summarize historical reports and compare disease changes by calling the large language model with the same type of historical diagnostic reports of the same patient, helping doctors quickly extract disease changes.

Report quality correction: Detect and intelligently correct typos in the diagnostic report by inputting the report into the model to improve report writing quality.

Platform Management

AIMIS provides managers with a powerful management platform. When users log in to the AIMIS management end, they are directed to the homepage of their current institution by default, where they can perform the following operations:

Hospital Management: Admins can view organization information, storage usage, resource renewal records, customize hospital logo, and download hospital QR code.

Doctor Management: Admins can configure personnel within the organization.

Examination Management: Admins can manage the configuration of examination attributes within the hospital, including device types, device management, part types, and examination project configuration.

Report Management: Admins can configure examination report templates for various disciplines, including header, body, footer, and title formats.

Cloud Film Configuration: Admins can configure the activation timing of cloud films.

Data Management: Admins can manage the archive and retrieval of cloud inspections.

Notification Management: Admins can configure message notification attributes, including message type, notification method, notification scope, and notification timing.

Log Audit: Admins can view all platform log information, including inspection logs, user logs, consultation logs, and data maintenance.

Mobile Version

Last updated : 2025-03-07 17:07:28

Overview

The Digital and Intelligent Medical Imaging Platform offers a variety of medical imaging applications, AI-assisted diagnosis, and powerful imaging browsing tools, meeting the full-scenario needs of interconnect and reduce costs and increase efficiency within and between healthcare institutions. By reading this article, you will quickly understand the operation and use of the Digital and Intelligent Medical Imaging Platform on the mobile terminal.

Prerequisites

It is recommended to install QQ Browser and Tencent Meeting App (iOS or Android).

Signup and Login

Register

For the Medical Alliance admin account, please contact Tencent Miying staff to activate it in the backend. For regular user accounts, please contact your organization administrator to add and activate them.

Log In

Access the Digital and Intelligent Medical Imaging Platform on the mobile terminal and enter the account and password login page. You can enter **Account and Password Login**. When logging in for the first time, you need to set an initial login password to log in successfully. If your organization has Activated the WeCom application, you can find the **Tencent AIMIS Cloud** application entry in the WeCom workspace.

Remote Diagnosis

After a successful login, you will enter the main interface of the Digital and Intelligent Medical Imaging Cloud Platform mobile terminal. On this page, you can select feature modules, including In-hospital Diagnosis, Remote Diagnosis, Remote Consultation, and Remote Ward Round.

Image Browsing

Double-click any examination in the Checklist to enter the image browsing page and view patient images.

Note:

When your device is connected to a mobile network, DICOM images will load as thumbnails by default to avoid consuming too much network traffic. You can also click **View Original Image** to load the original image size.

When your device is connected to a WIFI network, the system will load the original DICOM images by default.

Report Editing

In the operation bar of the Checklist, click the **report** of any examination to enter the report editing page for that examination.

Report editing: Users can edit and save reports.

Report review: Users with permission can perform initial diagnosis and review of reports.

Check sharing: Users can share checks with colleagues in the same organization via WeCom.

Note:

Only one user is allowed to edit a check report at a time. When you are editing, the report's edit status will be locked to you. The edit status will be released after saving or review, or it will be automatically released after 30 minutes of inactivity.

Examination Management

Users can manage checks in the Checklist.

Check filter: Users can filter checks by various conditions, including check status, device type, check category, scanning method, etc.

Keyword search: Users can search checks by keywords such as patient name, patient ID, etc.

Remote Consultation

Users can click **Remote Consultation** on the homepage of the Digital and Intelligent Medical Imaging Cloud mobile terminal to enter the remote consultation list. On this page, you can conduct multidisciplinary consultations within or between hospitals.

Creating a Consultation

Users can click **Create Consultation** in the consultation list to enter the consultation creation page.

Invitation target: Users can select consultation departments or targets from the contact list and choose mandatory participants. The consultation will be successfully initiated only after all mandatory departments have approved.

Consultation materials: Users can associate the patient's ID number or HIS number with the cloud-based patient information and examination information for the current consultation. It also supports file upload from the local device.

Consultation Review

Users can review consultations in the consultation review list, provided they have review permission.

Adjust expert: On the consultation review page, the review user can click **Adjust Expert** to modify the participating experts of the adjusted department.

Review consultation: The review user can click **Agree and Join, Agree, Deny** to review the consultation.

Joining a Consultation

After the consultation review is completed, all invited participants can join the consultation from the consultation list.

Consultation room: All participants can click **View Consultation** to enter the consultation room and view consultation information, patient information, cloud-based materials, uploaded materials, and consultation process information. Users can click **View an Image** to browse DICOM images and click **Image Report** to view the report content corresponding to the current cloud-based image.

Audio/Video consultation: All participants can click **Start Audio/Video Consultation** to enter Tencent Meeting and start the consultation. The system will automatically guide the transition to Tencent Meeting.

Consultation Report: All participants can edit the consultation report in the consultation room. Click **Edit** to activate the report editing for content writing. After completion, you can save, submit, and print.

Patient Image Archives

The Digital and Intelligent Medical Imaging Platform provides Users with **Patient Imaging Records** (WeChat mini program) to manage personal medical images and checks, allowing users to view them anytime with a mobile phone and store them securely for a long time.

Log In

Users can search for **Patient Imaging Records** in the WeChat mini program to enter the login page, complete registration with WeChat authorized phone number, and access the homepage. They can also log in by scanning the mini program QR code.

Member Management

After logging in, Users need to complete their personal information and undergo real-name verification to automatically match cloud-based checks.

Personal Information Completion: Users can complete their personal information in **My > Member Management**, where name and ID number are required for identity verification.

Multi-member Management: Users can click **add member** in **My > Member Management** to add family members. After completing member information and verification, they can view the members' cloud-based imaging examinations.

Viewing Check

After Users complete and verify their personal or member information, the system will automatically match cloud-based checks. Users can also manually retrieve their checks.

Viewing Examinations: After completing personal information, the system will automatically match the user's cloud-based examinations through ID number or phone number. Users can click on an examination in the examination list to view their examination report and images.

Sharing Examinations: When viewing personal examinations, users can click **share** to share the examination with WeChat friends. During sharing, users can set the valid period and password for the shared examination to protect personal privacy and security.

Downloading Examinations: When viewing personal examinations, users can click **Download** to download the original DICOM images locally. During the download, users need to enter a security code within the link's validity period to proceed.

Manual Match: If users cannot view their personal examinations, they can try to manually search and match the examinations to their name by retrieving examination ID, examination date, or institution name.

Note:

After Users complete their personal information for the first time, a manual check and match must be performed for verification. Once the match is successful, the system will automatically pull all checks from the cloud for that user.