

## **IQ NetClass**

- **LAN control of all Classroom PCs**
- **Bundled with Interactive Teaching software**
- **Interactive Teaching without a board**
- **Class assessment & examination included**
- **Broadcast (PC< Video,Audio)**



### **IQ NetClass**

Netclass V5.0 is a new generation network teaching system based on the 5th generation of our patent video & audio broadcast technology, flowing media transmission technology and network control technology. It applies computer technology, multimedia technology and network technology into the teaching process, and combines media such as pictures, sounds, texts and animation together. It incorporates the Interactive Software of our IQ Interactive Whiteboard Systems, enabling the use of Interactive Teaching techniques without the need for an Interactive Board.

Netclass consists of a server program and a client program. Its main functions include Class Management, Broadcast Teaching and Demonstration, Hand-Raise and Competition Answer, Voice Repeat and Follow, Message and Voice Chat, Program and File Distribution, Electronic Exam and Assignment, Remote Operation and Monitor, Client Behavior Control, Event Record and Save, Resource and Log Query, System and Remote Setup, etc. NetClass has easy operation, high fluency and stability, quick response, high compatibility, and the product is especially suitable for universities, high schools, primary schools, vocational institutes, training colleges and corporate training rooms.

### 1. Simple usage and excellent human-computer interaction.

1. NetClass is convenient to install, set and operate. Complicated system settings and network settings are not required, and the system works intelligently without configuration. Furthermore, permanent free software updates are available and overcomes the difficulty in maintenance and lengthy updates.
2. NetClass uses a graphic interface for main functions, and each function has its corresponding button - simple and clear to locate. The innovative thumbnails display mode can display all the students' screens on the teacher's screen, giving the teacher an overall view.

### 2. High compatibility, adapted to all network environments.

1. Fully supports Windows series OS, and has no compatibility problems with other applications and system tools.
2. Operates easily with different network conditions and supports campus network teaching across different network segments. NetClass performs well on various LAN cards, sound cards and video cards. It also has resolved the problem of bad compatibility and short transfer distance on similar hardware and software products. Besides, it has successfully passed the strict software and hardware test and massive application tests, with consistent and stable performance

### 3. High screen broadcast efficiency with powerful functions and best system performance.

1. The system will adjust and balance the transmit speed automatically according to the network condition, thus avoid the image distortion and losing important controlling information due to the data package loss. It keeps the synchronization between the teacher's computer and students' computers without any delay during screen broadcast or audio broadcast, and has good performance in bad network conditions. It also completely resolves several problems existing on similar hardware and software products, such as image ghosting, water wave, low broadcast efficiency, and long audio delay.
2. Various screen broadcast options, and the capability of live broadcasting of all animation effects in the multimedia courseware allow NetClass unique adaptability for multimedia courseware teaching.
  - A. Support broadcast teaching for 3D design software, such as Cool 3D, Pro-Engineer, 3D MAX, etc.
  - B. Lively and efficiently broadcast of almost all 2D and 3D games such as Quake III, WarCraft III, RedAlert II, CS, etc. efficiently.
  - C. Broadcast various multimedia players, such as MS Media Player, Real Player, Win DVD, Power DVD, etc. in window mode and full screen.
  - D. Broadcast Flash animation and courseware more efficiently and fluently.
  - E. Supports DirectDraw, Direct 3D, Overlay and OpenGL.
  - F. Supports all video capturing equipments in Microsoft VFW standard, such as USB cam, WinFast TV card, etc.
  - H. Supports almost all common audio and video format including Windows Media file (\*.ASF), Windows video file (\*.WMV), VCD file (\*.DAT, \*.MPG, \*.MPEG), DVD file (\*.VOB), Real file (\*.RM, \*.RMVB), AVI file (MPEG-4, DIVX), and audio file (\*.MP3, \*.WAV).
  - G. Adapt accompanying sound compound technologies to support dual audio transmission on the server port, one is the audio input from sound card and micro phone, and the other is the audio from broadcasting various from audio files. It also can support multi-user voice communication, resulting in perfect audio teaching.

### 4. Accomplish both traditional teaching methods and interactive teaching methods.

1. The students can receive broadcast by using the intelligent scrolling window mode so as to operate simultaneously with the teacher and practice while look at the screen. It turns the students from passive acceptance to positive learning.
2. Different classes with different teachers can group and perform teaching simultaneously. The students could choose their teachers freely according to their course and class requirements, and the teacher also can easily accept or expel a group of students in the teaching. Student's input is permitted during the teaching and can be conveniently switched from one to another.
3. Ingeniously combine the student's demonstration with monitor rebroadcast together. Under remote control, the teacher could cooperate with controlled students, help them and correct their mistakes, and broadcast the process to other students at the same time.
4. Provide abundant practical teaching functions, including Screen Broadcast, Video & Audio Broadcast, Electronic Exam, Collecting Assignment, Group Discussion, and Electronic Whiteboard, etc. The students can be divided into two roles: the participant and the spectator. The participant can interact with teacher, while the spectator (including net-class students) can accomplish their learning.
5. Provide Voice Repeat and Following functions. Combining with other functions such as Broadcast Teaching, Raise-up and Competitive Answer, all effects of the audio classroom can be realized.

### 5. Intelligent and comprehensive teaching management.

1. Powerful Class Management and Group Teaching functions allow the teacher to import, export and create several class models, and alter the classes, group and virtual client computers at random according to different situations.
2. Various functions such as Prompt Windows, Electronic Roll Call, Blank Screen Warning, Instant Warning, Oral Warning, Screen Monitor, Message & Voice Communication, together with the behavior control in student computers, can ensure the fluency of the teaching and help teacher to resolve the problem of student management.
3. The remote operation, monitor, setting, and management on all student computers, as well as the file and program distribution, greatly facilitate the teacher's maintenance on PC lab.
4. The locking password will help ensure the security of the teacher's computer if the teacher needs to be absent for a while.
5. The teacher can record, save, and check the teaching process and the student computer resources (including hardware & software information and logs), and use them as basis for the teaching evaluation.



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