



Radix SmartClass

Classroom Management and Control System

Radix SmartClass is an intuitive, affordable classroom control solution, enabling teachers to effectively manage classroom activities and keep students on-task.

With a single click of the mouse teachers can present high quality multimedia presentations, lock students' access to Facebook or blank screens for extra attention.

Radix SmartClass delivers an effective 21st century learning environment with:

- ✓ Efficient classroom administration
- ✓ Pedagogically-enhanced teaching tools
- ✓ Real-time monitoring of student activity
- ✓ Complete removal of learning distractions
- ✓ HD Video and 3D graphics broadcast
- ✓ Fully facilitated collaborative learning
- ✓ Flexible and targeted online assessment
- ✓ Remote control, maintenance and support



Radix bridges the technical gap between teachers and students, keeping learning at the center of the classroom and students on-task!

Ask yourself:

- Is your entire class focused, attentive and on-task?
- Can you spot which students need a little extra help, or discrete encouragement?
- How easily can you engage students with HD multimedia presentations?

Exclusive High Quality Video Broadcast Engine

Even while running on a wireless or slow network, teachers can broadcast CAD 3D solid models and graphics files in all video and graphic formats - directly to student screens.

Including:

- HD Video: MPEG4, MPG, AVI, HDMI, DAT, DivX
- Graphics: Direct3D, SolidWorks, Autocad, OpenGL

Radix Smart Class - Key Features and Functions



Classroom Administration

Teacher arranged seating plan displayed on-screen in a class map (according to student name and location).

- Power on computers remotely and retrieve class layout map
- Connect students to the class network, according to register
- Update and export attendance records to school administrators



Effective Teaching

Enrich learning with a broad range of effective pedagogic tools that keep students fully engaged, on-track and co-paced.

- Control computers for demos, to gain attention or give assistance
- Display teacher signals from voting to quiet response
- Collect/distribute files, assignments and test papers conveniently



Student Monitoring

Full management of every classroom computer event, as well as remotely monitoring student activity.

- Display student screen thumbnails or dynamic scalable real-views
- Supervise messaging software on student computers
- Monitor computers running in DOS, Login screen and Safe Mode



Distraction Removal

Complete control of the learning environment from computer activity, to student interactions and classroom engagement.

- Darken student screens and lock keyboards and mice
- Place web pages, apps. & files on student desktops for class use
- Restrict unpermitted software/hardware and access to web pages



Educate and Demonstrate

Multi-format broadcasts class-wide or to targeted computers, integrates presentation technologies (smart board & projector)

- Broadcast full/partial screens with highlight, mark and zoom
- Transmit multimedia video and graphics in all accepted formats
- Build automated lesson library, real-time pre-record & class playback



Collaborative Learning

Enhanced interactive learning via group work to develop leadership, creative and collaboration skills.

- Divide the class into groups, allocating group leader privileges
- Enable internal class communication (intercom voice and text chat)
- Allow selected students to demonstrate with full teacher assistance



Online Assessment

Editing and managing online exams in various formats including multiple choice, Q&A and free text.

- Amend/distribute exams, mid-term assessments & end of year tests
- Prepare, deliver and collect impromptu tests and pop quizzes
- Receive real-time test results and apply prepared report functions



Remote Control & Maintenance

Sophisticated range of monitoring and control tools for easy remote maintenance and technical support.

- Control computers remotely, together with power on/off and restart
- Distribute software, perform installations and adjustments remotely
- Restore failed systems instantly to a pre-failure state

Main Functions		SC V12 PRO	SC V12 WLX	SC V12 EDU
Demonstration	Broadcast high-quality HD, video movies (Streaming)	✓	✓	
	Broadcast CAD 3D solid models and 3D graphic files	✓		
	Show teacher & demonstrating student's desktop	✓	✓	✓
Effective Teaching	Control over student PC, for demos and assistance	✓	✓	✓
	Record (and broadcast) real-time lessons	✓	✓	✓
	Edit and conduct online exams	✓	✓	
Monitoring	Monitor student screens in real-time	✓	✓	✓
	Supervise running software and system messaging	✓	✓	✓
	Monitor processes running in student computers	✓	✓	✓
Distraction Removal	Darken student screens and lock keyboards	✓	✓	✓
	Disable applications, Internet & hardware components	✓	✓	
	Position applications and websites on student desktops	✓	✓	✓
System	Support Virtual Desktop Infrastructure (VDI)	✓	✓	✓
	Support wireless network	✓	✓	
	Support versatile licensing model	✓	✓	✓
Operating System	Support Windows XP, Win 2K3, Win7 32/64-bit	✓	✓	✓

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