



Innovation, beyond imagination

Education Family

SILEX EDUCATION FAMILY

IMMERSIVE AND FULLY
INTERACTIVE MULTIMEDIA
CLASS ROOM THAT
EMPOWERS PRODUCTIVITY
AND COLLABORATION FOR
A UNIQUE LEARNING AND
TEACHING EXPERIENCE!



SILEX: Smart Interactive Live Experience

Let your lecturer teach in style

The SILEX Education room is designed to immerse students with their local or remote teacher, offering all the means to conduct courses in the most practical, interactive and visual ways.

From the SILEX Control graphical interface on the iPad or Podium, the teacher can control the class room's components such as videoconferencing system, room audio, curtains, lights, Air conditioner and much more.

The teacher can benefit from the SILEX Smart Podium for content sharing: he can send a presentation to the student's individual screens, the main displays, and a far site video participant. The Smart Podium comes with an optional embedded visualizer allowing the teacher to show any object or to natively connect a microscope to share the content.

When students are interacting in an e-learning session, the main camera will automatically track them, and the teacher can allow to display student's content on the main screen. In addition, the teacher can benefit from a class room management system to monitor and control student's screens and offer personal assistance.

Offer your students a unique learning experience

Invite your students to step into the class room of the future with high visual impacts allowing better absorption of learning content. The special appealing designs encourage each student to focus on the course while enjoying many technological features that leverage the learning experience and enhance the transfer of knowledge.

Each student can benefit from a personal retractable screen or tablet to easily view and interact with the teacher's content, creating a ready infrastructure for e-learning applications.

If the class is in a video call, each student can request to talk with the remote teacher and appear on the main display by pressing on the camera tracking button located on his desk.

When a teacher is showing content on the main interactive display, a student can step to the board to annotate his ideas or simply do so from his personal screen or tablet. Both the teacher's annotations from the Smart Podium and the student's ones can simultaneously be shared with a far end site during a video call.

For a better information access and archiving, any video conference session can optionally be recorded.

Customized
**EDUCATION
MODELS**



PROFESSIONAL SMART TRAINING ROOM

Customized
**EDUCATION
MODELS**

HIGH CAPACITY AUDITORIUM CLASS



Customized
**EDUCATION
MODELS**

SMART TRAINING ROOM



SPECIAL FEATURES & BENEFITS

Enhanced e-learning experience

The Integration of the latest videoconferencing technologies within the futuristic design allows video calls with a teacher in a far location, therefore bringing knowledge to the students from around the world.

While in an e-learning session, the teacher can use the Class Room Management System in order to:

- Manage, supervise and control the student's desktops (shut down, wake up, blank screens...)
- Control students' content and showcase students' screens.
- Chat with students individually for assistance.
- Transfer files and launch applications on student's screens.
- Annotate student's content.
- Centrally manage student's work and polls.

The students will benefit from the Student Response System offering interactive tools to improve learning in multiple subject areas, such as:

- Real time poll and question answering.
- Ask any question in any format (multiple choices, text input, rating scale...)
- Receive realtime grading

Advanced Content Sharing

Using the innovative CYOD Kit (Connect Your Own Device), the teacher or the students can share content from any tablet, Smart Phone, laptop (Windows and Mac), USB key or server in the Cloud.

The shared content appears on any of the main displays / Interactive whiteboard and on the students retractable screens / tablets simultaneously.

Dual Use of the main display

The main displays can be switched between video conferencing mode and local presentation mode. This flexibility of the main displays usage maximizes the usability of the class room.

Therefore, it is equally beneficial to use the class room for e-learning and for traditional classes.

Personal motorized screens for students

The SILEX Education systems are usually equipped with motorized screens integrated in the conference table. Those are managed by the teacher and will appear on the table or fold back into it, simply by tapping on the graphical interface of SILEX Control.

When a teacher shares information on the main display, it can also be transmitted to all the personal motorized screens, allowing all students to remain comfortably seated while perfectly seeing the content in front of them and optionally annotate it.

Teacher and students interaction

- The students can annotate the teacher's presentation and the teacher chooses to display a student's content.
- The teacher can annotate his presentation on the interactive whiteboard or from the SILEX Smart Podium touch screen.
- The teacher can monitor each student's screen in order to offer assistance when needed (optional).
- The teacher can have a personal chat session with any of his students.
- Interactive quiz with student's replies and grading in real-time.
- The main camera will track the active student when he / she uses the microphone to speak. This allows the teacher on the far end to see him / her properly.

GENERAL TECHNICAL SPECIFICATIONS

Package Includes

- Video wall including 3 large FHD / UHD displays
- Professional room sound system
- Professional discussion system
- iPad with SILEX Control application
- Motorized tablet or screen per student
- Students working Desks (3 rows)
- SILEX Smart Podium
- Two ways camera tracking control
- Class room management system

Video conferencing

Content sharing

- AAC-LD 20kHz (TIP support)
- G.722.1 Annex C (14Khz)
- G.722 & G.722.1(7Khz)
- G.711, G.728, G.729A

Video Standards and Protocols

- H.264
- H.263+, H.261
- H.239

People Video Resolution

- 720p, 30 fps
- 1080p, 30 fps

Professional PTZ Camera

- 1080p Main Camera

Content Video Resolution

- Up to FHD (1920 x 1080)

Interoperability

- Microsoft Skype for Business* (Optional)
- Dual stack H.323/SIP

Camera tracking

- 60 presets: student or teacher activated
- Camera tracking activation from push to talk microphones

SILEX Smart Podium

- Multi-touch Surface
- 3.2 Mpixels / 1080p HD Camera with 51cm flexible gooseneck (Optional)
- Microphone (Optional)
- Front support for iPad or Presentation documents

Options

- Ceiling lightning
- Additional PTZ Cameras
- Motorized blackout curtains
- Students chairs
- Session recording



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