



## Bring Learning to Life.

High Definition Videoconferencing  
Brings the World to the Classroom

- ✓ Global Collaboration.
- ✓ Virtual Field Trips.
- ✓ Expanded Curriculum.

# High Definition Videoconferencing

## Preparing Students for the Future

Educators strive to provide high quality instruction, measurable results and an enriching experience to all students. However, challenges arise given tight budgets, stretched resources and dispersed campuses and teachers. The superior quality of high definition (HD) videoconferencing combined with dramatically lower costs provides educators with a tool to reach out to students to help them prepare for the future.

## Bring the World to the Classroom in HD

**Access:** Providing students access without compromise to the high quality of HD ensures students are fully engaged, and have complete access to the curriculum.

**Global Community Connections:** Schools can cost effectively send their students anywhere in the world in HD for interactive, virtual field trips with historical institutions, museums, libraries and more.

**Collaboration:** Forging new partnerships between schools, community colleges and content providers creates opportunities for programs, teamwork and peer collaboration.

## Experience Education in HD

- ✓ Virtual field trips
- ✓ Access to subject matter experts
- ✓ Interactive distance learning
- ✓ Innovative applications: arts, robotics, biology, music and medical research
- ✓ Sign language training and special needs
- ✓ Community programs
- ✓ Efficient administrative meetings without travel



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*The LifeSize systems are very easy to use and our teachers are comfortable with the technology.*

Linda Whitacre, Assistant Superintendent,  
Gordon County School System, Georgia, USA.

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*LifeSize HD video enhances the ability of our schools to develop students who are critical thinkers and who utilize teamwork as they prepare to contribute to and live in a global, technological society*

Dr. Bill McCown, Assistant Superintendent, Gordon County Schools Georgia  
– utilizing 19 LifeSize systems and a 24 point multipoint control unit

# Bring the Ocean to the Classroom in HD

It's a well known fact that natural interaction and relevant content in the classroom improves learning. From practical distance learning applications to adventurous virtual field trips, there are numerous opportunities for HD video to enhance education in the K-12 education environment.

Because most K-12 schools have limited information technology support, it's crucial for videoconferencing to be reliable and easy to use. LifeSize invites interaction from teachers and students and can be relied upon to work every time.

## K-12 Applications:

- ✓ **Bring content to the classroom** – through partnerships with cultural institutions, researchers, universities and content aggregators there are no limits to accessing experts from NASA Space Agency to a live aquarium.
- ✓ **Interactive, virtual field trips** – take students on exciting, educational field trips without leaving the classroom. See ancient fossils, dance programs or live aquariums. With crystal clear HD video, it's as good as being there.
- ✓ **Expand curriculum** – for locations with limited access to specialized instructors, campuses can connect to share resources in order to offer programs to all students.
- ✓ **Connect peers across geographic boundaries** – one science project, ten eager minds, three locations. There are no boundaries for peers to learn teamwork and advance their skills together.
- ✓ **Integrate with learning technology and content** – from electronic whiteboards to fast frame digital content, the LifeSize solution provides multiple ways for teachers to encourage interactivity and content sharing.
- ✓ **Professional development and administration** – for continuing education and meetings, HD videoconferencing enables quality meetings without travel cost or impact on the environment.

# LifeSize Features Get High Marks in Education

K-12 school students and teachers alike enjoy the immersive experience HD video provides to the classroom. The stunning video and audio quality make students and teachers feel as if they are in the same room, giving them the freedom to interact naturally.

We've perfected the art and science that makes the technology simple to use and increases usage and return on investment.

## The LifeSize Difference

✓ **Ease of Use** – simple controls encourage teachers and students to use videoconferencing to full potential and enables easy content sharing.

✓ **Integration with Teaching Tools & Content** – LifeSize solutions connect with a wide variety of teaching tools, encouraging teachers and students to share content freely and effectively.

● **Electronic whiteboard integration** – connect a whiteboard to share calculations and diagrams in high resolution quality.

● **Fast frame digital content** – share a modern dance program with students without any compromise in video quality or lost frames.



LifeSize® Express™ Series  
HD priced for any organization

	Express™	Express™ 200
Video	720p30	720p30 720p60 decode
Content sharing	Integrated H.239	Integrated H.239
Display support	Single HD	Dual HD
Integrated multipoint	N/A	N/A
Camera / microphone options	Focus camera / integrated mic PTZ camera / mic pod	Focus camera / integrated mic PTZ camera / mic pod
Bandwidth	720p30 @ 1Mbps up to 2Mbps	720p30 @ 1Mbps up to 2Mbps 720p60 decode @ 1Mbps up to 2Mbps



- **H.239 Application Sharing** – share an interactive learning website, or any application running on your computer, with students in real time.
- **Content server integration** – tap into the library or school content server for curriculum materials to share in HD quality.
- ✓ **Quality & Flexibility** – LifeSize systems are suited for use in any teaching environment and have been proven to deliver the best quality picture and performance at any bandwidth level, even for the most demanding applications.

- ✓ **Unmatched Price Performance** – all of this priced for broad deployment. With the lowest acquisition cost and lowest total cost of ownership, LifeSize is making videoconferencing an affordable and natural extension of today's educational communication networks.
- ✓ **Video Management & Infrastructure** – LifeSize offers standards-based IP management tools that manage multi-vendor networks complete with web-based interfaces and reporting to help schools cost-effectively administer reliable videoconferencing.



**LifeSize® Team™ Series**  
Ideal for distributed workgroups



**LifeSize® Room™ Series**  
Premium HD communications

Team™ MP	Team™ 200	Room™	Room™ 200
720p30	720p30 720p60 decode	720p30	1080p30 720p30, 720p60
Integrated H.239	Integrated H.239	Integrated H.239	Integrated H.239 Dual streams 720p30
Single HD	Dual HD	Dual HD	Dual HD
4 way 720p30	4 way 720p30	6 way 720p30	6 way 1080p30
PTZ camera / single mic pod	PTZ camera / dual mic pod support	PTZ camera / phone	PTZ camera / phone
PTZ camera / phone	PTZ camera / phone		
720p30 @ 1Mbps up to 4Mbps	720p30 @ 1Mbps up to 4Mbps 720p60 decode @ 1Mbps up to 4Mbps	720p30 @ 1Mbps up to 6Mbps	720p30 @ 768Kbps up to 6Mbps 720p60 @ 1.1Mbps up to 6Mbps 1080p30 @ 1.7Mbps up to 6Mbps



# Bring Learning to Life

*We are very excited to provide such innovative videoconferencing technology to Oldham's schools. We are enabling the Borough's children and young people to realise their potential, raising educational standards and promoting community cohesion, all of which are at the heart of much of the Council's work. Introducing this new facility will revolutionise learning and teaching, making Oldham a model of excellence for other local authorities, schools and learning establishments across the UK and ultimately around the globe.*

Ruth M. Baldwin, Oldham Council's Executive Director for Children, Young People and Families, London, UK.



*There were positive questions about the technology from the students and the system was very easy to operate. No one felt there was any lag time and the characters and the shade on the blackboard were very clear and easy to read. Also, using the internet is much more cost effective than using our ISDN line - which is important to us. We will certainly use LifeSize effectively.*

President, Koshi Morimoto, Hiroshima Bunka Community College, Gakuen, Hiroshima, Japan



**Additional case studies available online: [www.lifesize.com/case\\_studies](http://www.lifesize.com/case_studies)**



Corporate Headquarters:  
901 S. Mopac Expressway  
Building 3, Suite 300  
Austin, Texas 78746 USA

Tel: +1 512 347 9300  
Fax: +1 512 347 9301  
Email: [info@lifesize.com](mailto:info@lifesize.com)  
[www.lifesize.com](http://www.lifesize.com)

EMEA:  
LifeSize Communications  
Toll-Free Europe  
008000 999 09 799

APAC:  
LifeSize Communications  
Hong Kong  
Phone: +852 8239 3695