



Bring Learning to Life.

High Definition Videoconferencing
Brings Great Minds Together

- ✓ Global Collaboration.
- ✓ State-of-the-Art Learning.
- ✓ Accelerated Research.

High Definition Videoconferencing

Perfectly Natural for Education

Today's higher education institutions are challenged to prepare students for a future in a truly global economy. Competition is fierce and expectations of students and educators are enormous. Education also demands a cost effective and environmentally friendly approach to bridging the distance between metropolitan campuses and institutions spread across continents. High definition (HD) videoconferencing has become a mainstream communication tool encouraging new levels of face to face collaboration.

From large lecture halls to state-of-the-art learning centers, HD makes the whole experience perfectly natural for education.

Bring the World to the Lecture Hall in HD

Access: Providing students access to high quality education without compromise. HD quality ensures that professors and students are fully engaged and have complete access to the curriculum from anywhere.

Global Partnerships: With HD, universities are empowered to communicate face to face with corporations, cultural institutions, science centers and other knowledge centers to share content and connect for unlimited programs.

Collaboration: Cross-cultural peer collaboration is improved with HD quality videoconferencing enabling a new generation of global thinkers and leaders.

Experience Education in HD

- ✓ State-of-the-art learning centers
- ✓ Innovative applications: arts, robotics, biology, music and medical research
- ✓ Peer and institutional collaboration
- ✓ Interactive, distance learning
- ✓ Professional development and continuing education
- ✓ Sign language training
- ✓ Community programs
- ✓ Efficient departmental meetings with lower carbon emissions impact



Technology or support is not the issue any more. The quality is superb. A student assistant can easily set up a video meeting and manage the conference. It is merely a matter of communication. Setting up a conference is made as easy as pushing a button on the remote control.

Arjan Sas, ICT Coordinator, Faculty of Social and Behavioral Sciences.
University of Amsterdam (UvA), Amsterdam, The Netherlands.



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Communicating with my students over video has entirely changed the quality of our interactions.

Mehran Mehregany, Goodrich Professor of Engineering Innovation,
Case Western Reserve University, Ohio

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Bringing collaboration to the future in HD

There's not much that astonishes today's university students. With the abundance of visual media in their lives, distances have become irrelevant. LifeSize HD videoconferencing lets students work and learn globally. Academic researchers are connecting with the private sector to innovate using no compromise, HD quality.

From large lecture halls to collaborative research environments employing visualization techniques, HD improves the whole experience. LifeSize utilizes minimal bandwidth to provide HD videoconferencing with optimal resolution and motion handling for natural communication.

Higher Education and Research Applications

✓ **Accelerate research** – LifeSize HD is used for collaborative research between universities, driving productivity and breakthroughs by connecting experts.

✓ **Share microscopic images to fast frame digital visuals** – for a wide variety of applications from medical research to ecology to space exploration. In 1080p, 30 fps HD quality, there are numerous applications for sharing materials and content critical for research and education.

✓ **Connect to the private sector, government or healthcare** – through LifeSize HD collaboration, centers of excellence work together to solve the world's most challenging problems.

✓ **Immerse professors and peers across boundaries** – one professor assigns ten students from five universities in four time zones to work on creating a video game and marketing plan. HD videoconferencing connects the students to bridge cultural and language differences, helping them to complete the project successfully.

✓ **Resource sharing among multiple campuses** – for geographically dispersed campuses in large metropolitan areas or across the country, HD video communications reduces travel, costs and carbon emissions.

LifeSize Features Get High Marks in Education

“Immersive” is the word that students and faculty often use when they describe an HD video experience. The stunning video and audio quality make students and professors 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



- **Content server integration** – tap into the library or school content server for curriculum materials to share in HD quality.
- **H.239 Application Sharing** – share Microsoft Excel in a finance class to show complex calculations up close.
- ✓ **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

With LACCD's student population on the rise, the need for educators to be 'in two places at once' will continue to grow. At that point, a professor would be able to teach a course at the Los Angeles Harbor College campus, then walk into a designated video room and be projected onto a large screen for students attending classes at Los Angeles Valley College, which is 30 miles and up to two hours away. The new construction bond will allow us to expand our use of HD video, increase education opportunities for students and be green and efficient in the process.

Jorge Mata, Provisional CIO, Los Angeles Community College District, Los Angeles, California, USA



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.

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



Additional case studies available online: www.lifesize.com/case_studies



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