Complete Visual Solution
Experience Superior Image Quality Every Time
E-learning has become a mainstream of modern education. Besides computers and projectors, teachers and lecturers require professional presentation tools to help them perform fast and barrier-free communication with students and audiences.

The document camera can display handouts, manuscripts, books and 3D objects; all illustrations can be easily recorded.

For different teaching environments, the document camera can be connected directly to projectors, large screen TVs or interactive whiteboards. It can even transmit images to various mobile devices, realizing interactive teaching.

This system includes video and audio recording functions. It records the video and audio of the lecturer, classroom and course computer data etc.

A complete lecture capture system includes a PTZ camera, lecture capture station, document camera, microphone and other input devices.

A PTZ camera records the lecturer, audience, and writings on the blackboard or whiteboard.

Then the recorded lecture can be saved, distributed and played back. This saves a lot of manpower, resources, and time. It also increases the convenience of making training lessons.

The recorded lectures can be saved directly to the cloud so that students who were unable to attend the class can learn from a remote location simultaneously.

**Education & Training**

- **Portable Document Camera**
  Records manuscript documents/lecture notes/3D object. This portable camera is easy to carry and transport anywhere in the classroom.

- **Desktop Document Camera**
  Records manuscript documents/lecture notes/3D object/slide.

- **Ceiling Document Camera**
  The document camera can be installed on the ceiling and records manuscript documents/lecture notes/3D object.

- **HD PTZ Camera**
  Records lecturer, students and writings on the blackboard/whiteboard.

**Lecture Recording**

- **HD PTZ Camera**
  Records lecturer, students and writings on the blackboard/whiteboard.

- **Lecture Capture Station**
  Collect up to four input sources simultaneously such as a computer, PTZ camera and document camera.

- **Keyboard controller**
  Manually controls the PTZ cameras to adjust, PAN, Tilt, Zoom, and Focus.

- **Ceiling Document Camera**
  The document camera can be installed on the ceiling and records manuscript documents/lecture notes/3D object.

- **Desktop Document Camera**
  Recording manuscript documents/lecture notes/3D object/slide.
Videoconferencing

Using a PTZ camera to perform a videoconference not only eliminates distance restrictions, it also saves the cost and time for travelling.

With the ultra-wide horizontal viewing angle of the USB PTZ camera, the plug & play USB PTZ camera can be seamlessly integrated with various videoconferencing software programs. This allows high-quality, low-cost remote videoconferences to be performed easily and smoothly.

Using a PTZ camera in large conference rooms to perform videoconferences, along with professional audio equipment and microphones, enables the display of every participant’s speech and images. The image of the speaker can quickly be positioned through the preset function of any PTZ camera. And the zoom function can be used for a close-up shot. The meeting process can be recorded directly and broadcasted over the Internet or played back at a later time.

House of Worship / Events

Setting up one or multiple PTZ cameras in a house of worship or event venues allows panoramic recording of the activity taking place. There are also multiple cameras set up to record the audience off-stage. The entire process can be projected to multiple large screens on site in real-time. This only requires very few operators to control the whole process.

If there is a need to record and playback, a CaptureVision Station can be used. The recorded video can be played back outdoors or over the Internet in real-time so that guests who were unable to attend can view it in real-time.
Broadcasting

Broadcasting applications entail the delivery of sound, image, or video content to a remote display for audiences not at the actual site of the event or speaking engagement. Educational institutions, professional news rooms and houses of worship use videos to reach their target audiences. The quality of the cameras and sound systems in place make a huge impact in keeping the attention of an audience.

Conference Room

Video recordings can be used to take close-up views of a speaking engagement or only on the main speaker. These recordings can then be enlarged and displayed on a large screen, recorded as a video for future reference or shown to other audiences through network broadcasting.
City Council Chamber

Local government agencies are streaming their meetings in a live format and saving video recordings for future use. It is now easier to take close-up videos of the participants as well as the speaker. These recordings can be enlarged and displayed on a large screen.

**City Council Chamber**

- **Keyboard controller**
  Manually controls the PTZ cameras to adjust, PAN, Tilt, Zoom, and Focus.

- **HD PTZ Camera**
  Capture details of the speaker or performance.

- **LectureCapture Station**
  Collect up to four input sources simultaneously such as a computer, PTZ camera and document camera.

- **Desktop Document Camera**
  Records manuscript documents/lecture notes/3D object/slide.

- **Ceiling Document Camera**
  The document camera can be installed on the ceiling and records manuscript documents/lecture notes/3D object.

Athletics

Athletic events are being video recorded and enlarged on large screens at the sports center. The athletic event taking place can also be streamed live for distant audiences. Video recordings can also assist coaches and athletes to improve their skills.

**Athletics**

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Medical Simulation Lab & IMAG

Medical Simulation Lab

Medical simulations in educational institutions or medical facilities offer another method to learn or review important life saving techniques. A live activity taking place can be video recorded and streamed into a separate room. Professionals in the medical field can review techniques performed in distant locations or review a missed medical lecture.

IMAG

IMAG is the abbreviation for “image magnification” where an image or video is enlarged and displayed using a separate monitor so that the expressions and actions of a speaker could also be enjoyed by audiences sitting far away.

Medical Simulation Lab & IMAG

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Capture details of the speaker or performance.

Portable Document Camera
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Keyboard controller
Manually controls the PTZ cameras to adjust, PAN, TILT, Zoom, and Focus.

LectureCapture Station
Collect up to four input sources simultaneously such as a computer, PTZ camera and document camera.

Desktop Document Camera
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Ceiling Document Camera
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Video Wall

Video Wall

Large-screen video walls can be applied in industries including telecommunications, communications, security and public utilities, etc. for 24-hour environmental monitoring under all weather conditions. As digital surveillance demands increase, the need for video wall installations will increase simultaneously.

Video walls are a layout of several projection display units. Every projection display unit is composed of a light engine, control unit, image control software, screen and case, etc. The optical mechanism is its main core component; its important specifications include brightness, resolution, color uniformity and reproduction accuracy etc., which determines the image quality of the spliced video wall directly.

Various signals can be inputted through the control unit of the input/output interface, and then the control software is used to perform zooming, superposition, roaming and PIP functions of the screen.

Control Unit
A signal processing device that converts the signal sent from the external device to a signal acceptable to the display.

Projection Engines
The video signal is digitally processed and then the light is projected. There are UHP, laser and LED light sources.