

# Carrier Class IP Communication Platform For High Definition Telepresence & E-Learning Collaboration Solutions

- **Collaboration Classroom Virtual Classroom**
  - ✓ Tutorial group
  - ✓ Community discussion
  - ✓ Exchange ideas between in-country & overseas schools
  - ✓ Add real-time interaction to asynchronous courses
  - ✓ Leverage instructors across physical schools
  - ✓ Share new and innovative lessons
  - ✓ Access an abundance of learning resources for immediate use
- **Anywhere, Anytime Learning**
  - ✓ Teacher meeting
  - ✓ School helpdesk
- **Advanced eLearning Solution**
  - ✓ IPTV for Large Conference (10,000+)
  - ✓ Live Streaming of lectures to millions of clients
  - ✓ Medium scale Conference (1,000+)
  - ✓ Live Rich-Media communication; audio, video, IM, whiteboard, application data sharing and presentation
  - ✓ eLearning with MCU & IPTV (100,000+)
  - ✓ Teacher can stream out video of the live virtual classroom while teaching at the same time.
  - ✓ Interactive teaching, cater to both medium and large scale number of students at the same time.
- **Virtual Classroom**
  - ✓ Conference / Seminars
  - ✓ Workshops
  - ✓ Home schooling / Special education
  - ✓ Readiness for Pandemic and Emergency response
- **Education Content Streaming**
  - ✓ Documentary
  - ✓ Live or recorded Lectures
- **Accessibility & Security**
  - ✓ Secure Closed-User-Group Management
  - ✓ Multi-tier Group Access Control Unit
  - ✓ Secure AES 256 bit Encrypted Communication
  - ✓ Resource friendly Point-to-Point Connection
  - ✓ Multimedia Record and Playback
  - ✓ Scalable Operation and Enhanced QoS



## Benefits

- Engage Global Education Community
- Expand Market using Virtual Classroom to reduce physical facility costs
- Real-time interaction distance learning
- Personalized Interactive Tutoring / Remote Education
- Rich tool sets for online training or meeting
- Secure and quality virtual meeting via regular broadband connections
- Integrated online interactive education and video streaming
- Education Content Creation and On-Demand Streaming
- One-stop Communication & Collaboration System
- Live Multiparty Audio, Video and Data Conference
- Live IPTV Streaming, Scheduled IPTV Broadcasting
- Regular Broadband Bandwidth Utilization
- Scalable from 1~10,000+ Audiences
- Physical Aid Studies – Special Assistance Education
- Exchange Cultural & Twinning Programs
- Large Scale Content Delivery, Digital Library



## Key Features



1080P/720P  
HD VIDEO



SUPERB SD  
VIDEO



CRYSTAL  
CLEAR AUDIO



UNIFIED  
COMMUNICATIONS



INSTANT  
MESSAGING



HIGHEST  
SECURITY



VOICE/VIDEO  
MAIL



WHITEBOARD  
PRESENTATION



FILE TRANSFER



APPLICATION  
SHARING



CALL  
FORWARDING



DESKTOP  
SHARING



SCHEDULED/MANAGED  
CONFERENCE



WEB  
CO-BROWSER



CLOSED USER  
GROUPING



MULTI-DISPLAY-  
CAMERA



CONFERENCE  
RECORDING



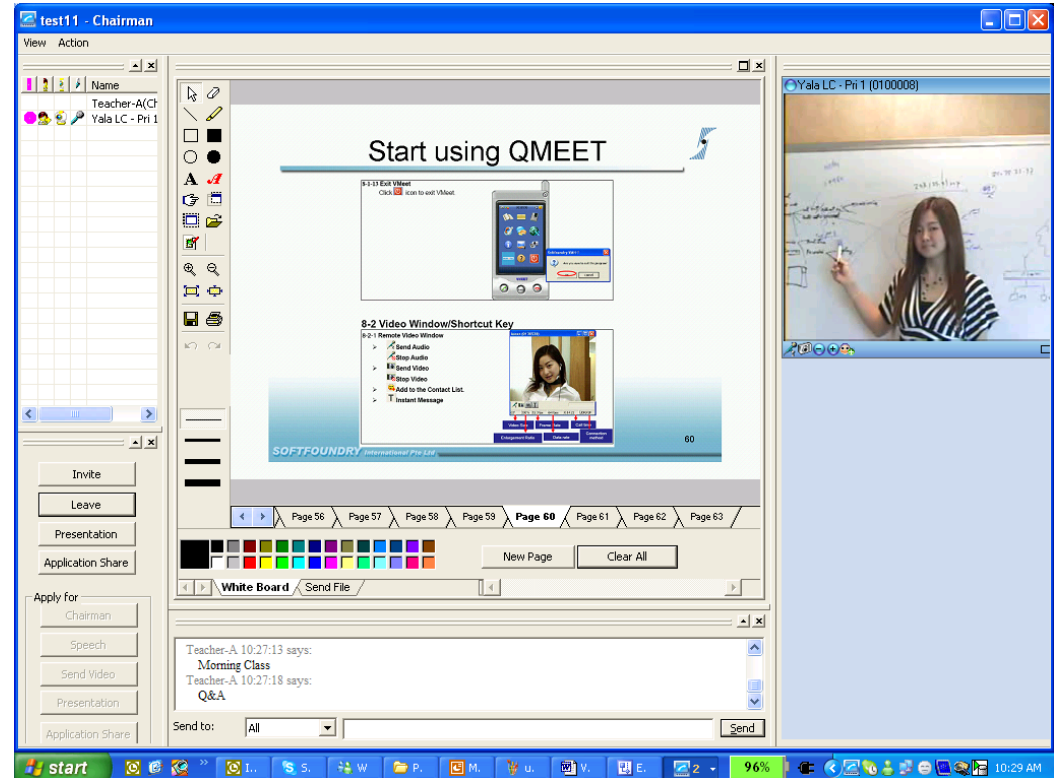
CASCADE MCU

- Vmeet Desktop – Small Group Collaboration
- Vmeet Virtual Classroom – Managed Collaboration
- Vmeet Video Streaming
  - Vmeet Issuer – content generation and editor
  - Vmeet Media – content management & archive
  - Vmeet Viewer
- Vmeet HD (High Definition video quality for large size audience)

## Applications

- On-line Live Interaction Classroom

- Small to large classroom
- Email invitation
- Participant list
- Chat Room
- Whiteboard
- File transfer
- Raise hand function
- Real-time polling
- Desktop/Application sharing
- Recording and playback



## Applications

- On-line Live Classroom Broadcast & IPTV

- Multiple interactive panelist, experts or selected students
- Live posting of audience questions to panelist or moderator
- Live polling and result
- Record and playback

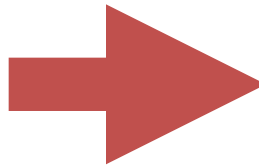
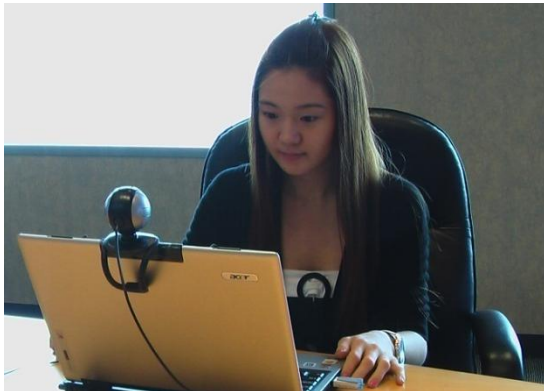


Applications

- Off-line Class Content Creations

## Webcam + Screen Capture

### Teacher's Preparation



### Student's View

Softfoundry IPTV Viewer

$$\sin(\alpha + \beta) = \sin \alpha \cos \beta + \cos \alpha \sin \beta$$

$\frac{DC}{AC} = \frac{R \sin \beta}{R \cos \beta}$   
 $BC = AC \sin \alpha = R \cos \beta \sin \alpha$   
 $AB = AC \cos \alpha = R \cos \beta \cos \alpha$

$R \sin(\alpha + \beta) = DF = EF + DE = BC + DE$   
 $DE = DC \cos \alpha = R \sin \beta \cos \alpha$

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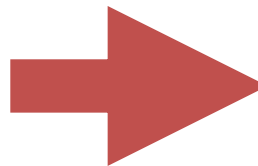
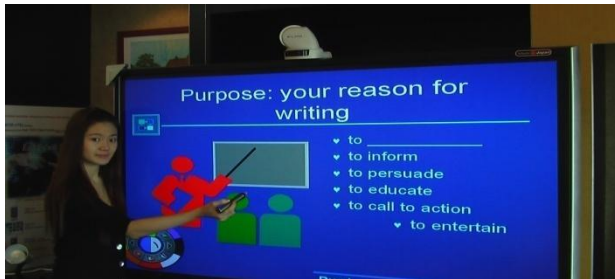
Double click to select channel.  
 Eleven - Health Food  
 LED - Math  
 Kuang - Painting  
 LEO - Math(Padong)  
 AR - q\*te\*U  
 IPTV E-Learning

Applications

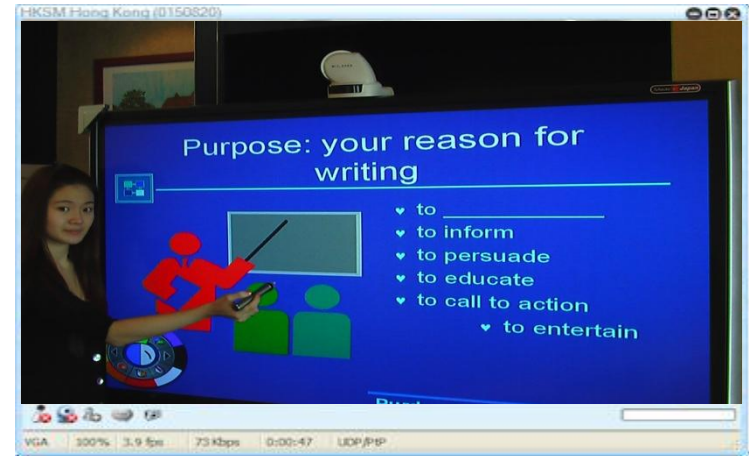
- In Class Content Creations & video recording

Single Webcam

Record class

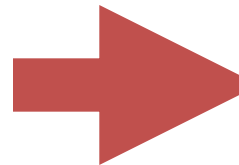
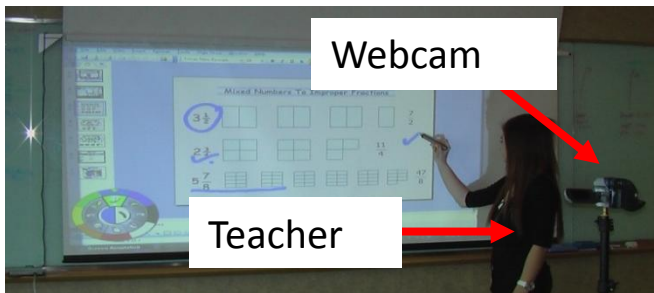


Video Stream

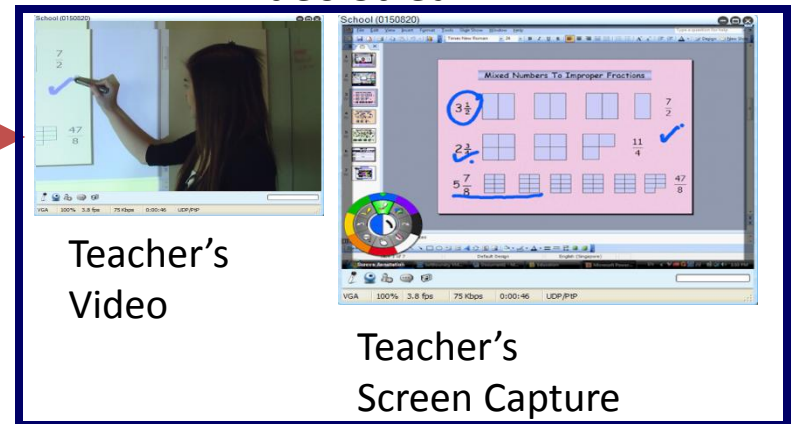


Webcam + Screen Capture

Record Class & Content



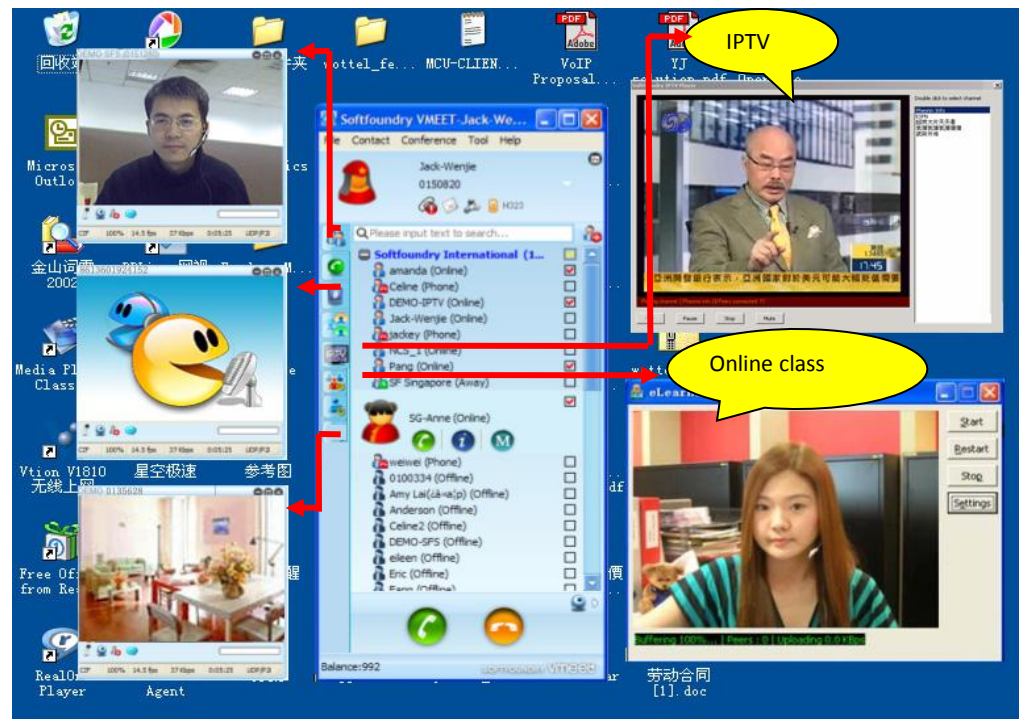
Video Stream



Applications

- Individual Interaction Tutoring

- User friendly interface
- Centralized content database
- Minimum hardware requirement
- Easy integration to student portal
- Multipoint conference
- Record and playback
- Presence awareness
- Multiple languages



## Applications

- Group Interaction Consultation

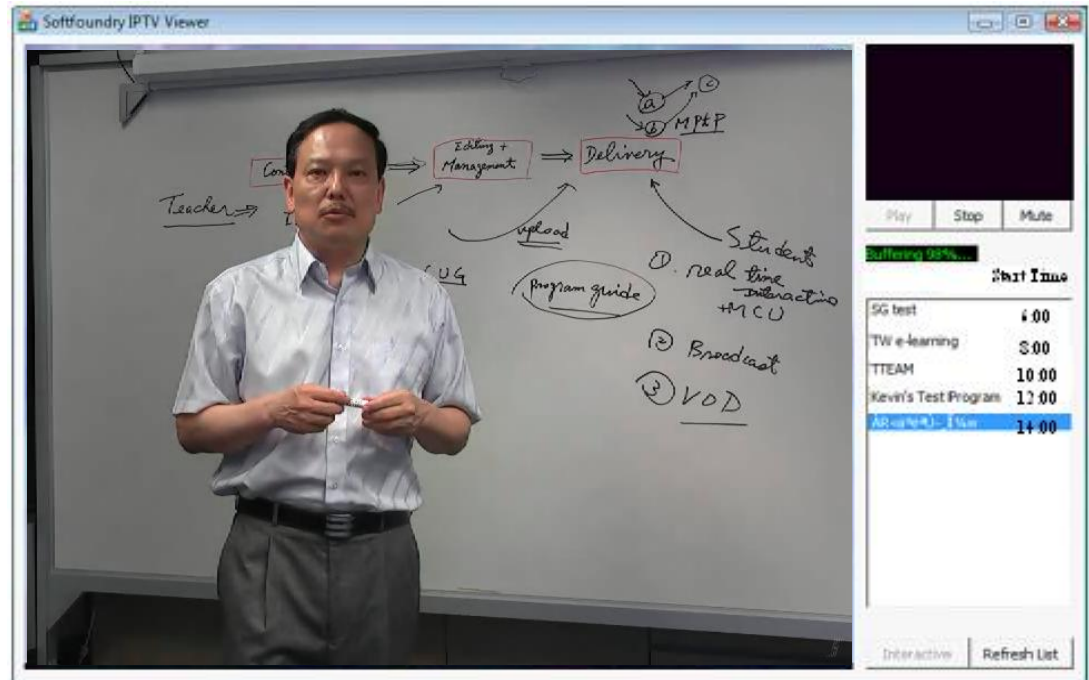
- HD Video Teleconferencing
- HD Video Collaboration
- Meeting room, connected with laptops/PC
- Excellent for healthcare, lab works, technical demo, etc.



Applications

- IPTV Scheduler

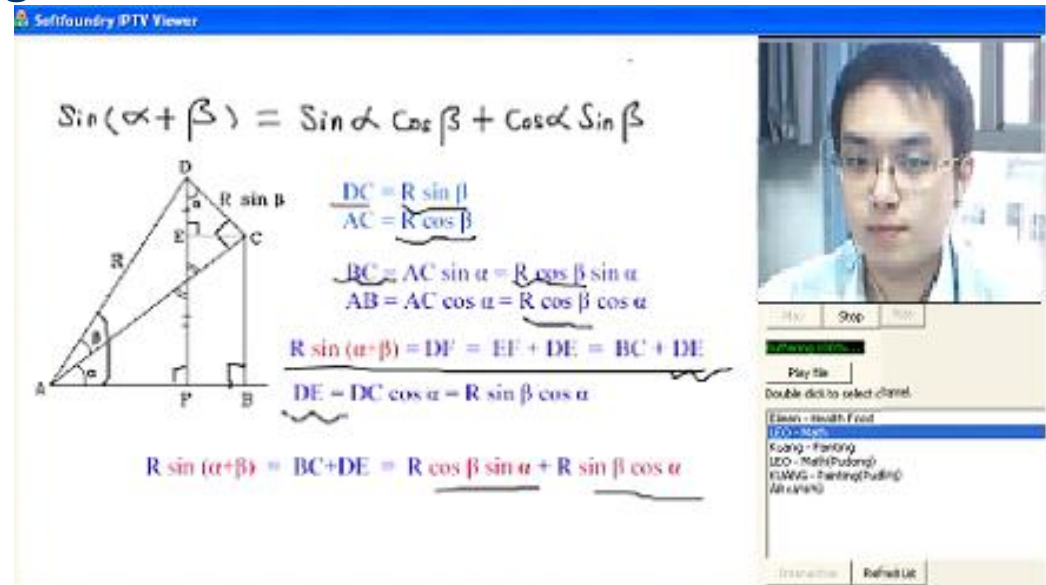
- Streaming server program scheduler
- Automatic web page update on scheduled IPTV programs
- Email notification and invitation by user group
- Remote site content source
- User connectivity report
- Repeat playback



Applications

- IPTV Content Streaming

- Stream video only
- Stream video and presentation, whiteboard or tablet screen
- Multiple content source selection
- Large-scale audience (1000+)
- Efficient bandwidth management



Selffoundry IPTV Viewer

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Double click to select channel.

## Scenarios

### - On-line Classroom Collaborations



- Classroom to Classroom
- Hall to Hall
- Teacher Meeting/Training

## Benefits

- ✓ Classroom collaboration is easy and convenient.
- ✓ Cross cultural communications can now be done across the internet.
- ✓ Teacher training from subject experts

## Scenarios

- Virtual Classrooms



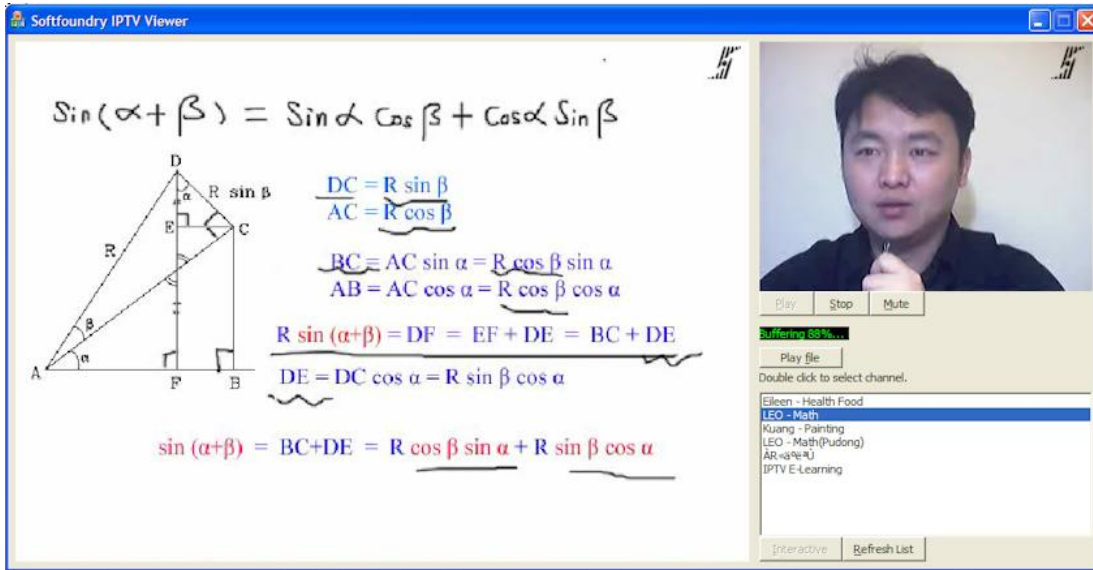
- Remote Students
- Remote Learning Centers
- Emergency Responses

## Benefits

- ✓ Students can attend virtual lectures from home/anywhere at scheduled time.
- ✓ In cases of emergency pandemics, meetings with teachers or students can be held virtually.

Scenarios

- Live/Recorded Lecture Streaming



Softfoundry IPTV Viewer

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Play Stop Mute  
 88%  
 Play file  
 Double click to select channel.  
 Eileen - Health Food  
 IEO  
 Kuang - Painting  
 LEO - Math(Pudong)  
 AR-  
 IPTV E-Learning  
 Interactive Refresh List

- Lecturer's Video
- Lecturer's Desktop
- Interactive Q & A

## Benefits

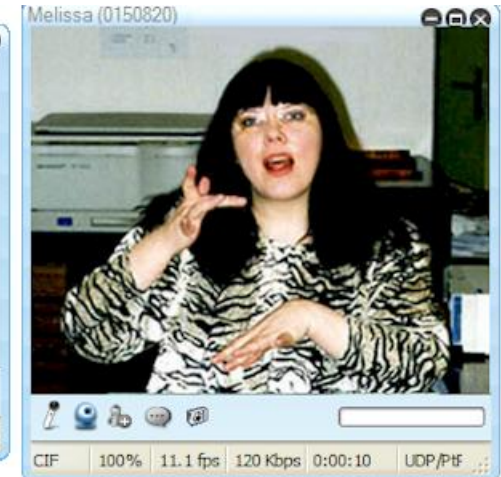
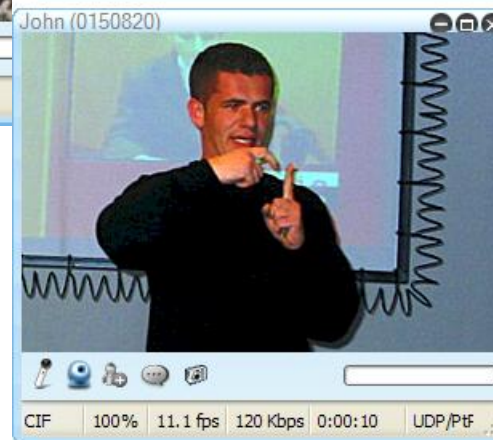
- ✓ Live or recorded lectures can be streamed and allow students to access it online.
- ✓ Interactive Q & A session between the student and lecturer.

## Scenarios

- Examinations, Oral Test, Language/Hand Signs Teaching



- Remote Surveillance
- PTZ Control
- Zoom Function



## Benefits

- ✓ Remote PTZ (Pan-Tilt-Zoom) surveillance functions can be used on examination halls.
- ✓ Overseas invigilator can now conduct oral examinations over the internet.
- ✓ Language or hand signs is taught effectively with the clear visual & audio effect.

## Scenarios

- Event Broadcasting & Recording



## Benefits

- ✓ Live recording of events can be broadcasted out to users all over the world.
- ✓ Interactive online helpdesk handles enquiries more efficiently.

## Proposals

### - E-Learning & Virtual Classroom Hosted Service

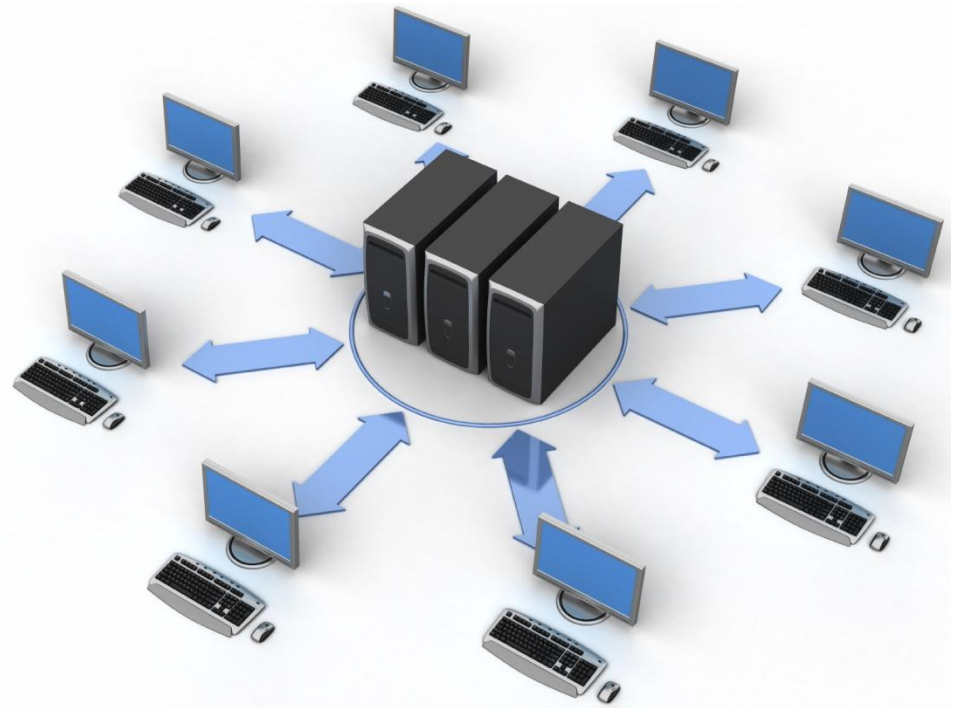
- Flexible Plans & Unlimited Usage with Flat Monthly Fee (Dedicated High Speed Internet Included)
  - 1 Host + 20 attendees
  - 1 Host + 50 attendees
  - 1 Host + 100 attendees
  - 1 Host + 500 attendees
  - 1 Host + 1,000 attendees
- Instant Upgrade
- Optional Hardware Accessories to Host Virtual Classroom
  - Dedicated Computer System
  - Flat Panel Monitor
  - Tablet Drawing Board
  - Conference Phone
  - Bluetooth Headset
  - HD Webcam
- Optional Accessories for Students
  - Headset/Microphone
  - Tablet Drawing Board



## Proposals

### - E-Learning & Virtual Classroom Platform Deployment

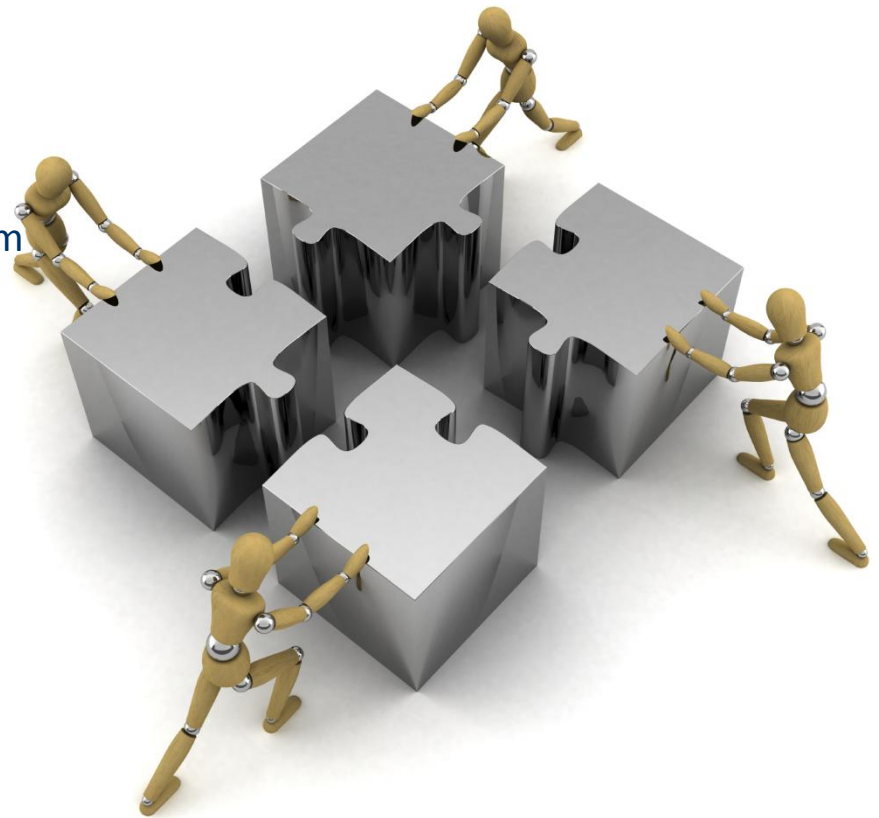
- One Time Payment with Great ROI
- Scalable from 100 ~ 10,000 Participants
- Self-manage Virtual Class Room Size
- Private Label
- Collocation Data Center Support
  - Gigabit Bandwidth
  - Redundant Power
  - 24/7 Remote Hands-on Support



## Proposals

### - Turnkey Learning Center Solution

- **Phone Service**
  - Unlimited calls to US/Canada
  - Auto Attendant, Voicemail , Voicemail forward to Email, Call Waiting, Call Forwarding, Caller ID, etc.
- **High Speed Internet Service**
  - DSL / T1
- **E-Learning & Virtual Classroom Service**
  - HD Telepresence & Web Collaboration
  - 1 Host + 20 attendees ~ 1,000 attendees
  - Unlimited Usage
- **Computers, Peripherals, and Network Setup**
- **Hardware Accessories to Host Virtual Classroom**
  - Dedicated Computer System
  - Flat Panel Monitor
  - Tablet Drawing Board
  - Conference Phone
  - Bluetooth Headset
  - HD Webcam
- **Accessories for Students**
  - Headset/Microphone
  - Tablet Drawing Board



- Large LCD touch screen display
- Audio and video conferencing equipment with VMEET
- Traditional white or black board and flipchart functions
- Support all desktop application



Accessories

- USB High Definition Webcam

**Features & Benefits:**

- No driver installation required!
- Superb High-Definition VMEET video
- 800P HD video resolution at 1280 x 800
- High-speed USB 2.0
- 30 frames per second for smooth 800P video capture
- Versatile swivel and clipping base designed for LCD, CRT, notebook or even stand on its own
- Snapshot button for quick photo capture
- Adjustable lens for better focus and clearer image



**800P HD USB ready** UNIVERSAL SERIAL BUS

**Dimension:**



**Technical Specifications:**

- Effective resolution: Up to 1280 x 800
- Advanced HD CMOS sensor
- Frame rate: Up to 30 frames per second
- Front LED (on/off)
- Auto White Balance
- Auto Exposure Adjustment
- Auto Gain Control (AGC)
- Field of View: 66°
- Lens Specifications: F2.0, 3P
- Focusing Range: 0.5 ~ Infinity
- Focusing Distance: 50cm

Component	Minimum	Recommended
<b>Operating System</b>	Windows XP with Service Pack 1	Windows XP with Service Pack 2
	Windows Vista	Windows Vista with Service Pack 1
<b>Processor</b>	Laptop: Intel Core 2 Duo 1.6 Ghz	Laptop: Intel Core 2 Duo 2.0 Ghz
	Desktop: Intel Core 2 Duo 1.6 Ghz	Desktop: Intel Core 2 Duo 2.0 Ghz
<b>Ram</b>	1GB (For XP users)	2GB (For XP users)
	2GB (For Vista users)	3GB (For Vista users)
<b>Internet Speed</b>	3.75G HSUPA, 3.5G HSDPA, ASDL, Leased Line, Metro-E	
<b>Bandwidth Requirement</b>	<b>Video Resolution</b>	<b>Bandwidth Consumed</b>
	QCIF	60 kbps
	CIF	120 kbps
	VGA	380 kbps
	720P	800 kbps
<b>Audio Output Device</b>	Headphone / Speakerphone	
<b>USB</b>	USB 1.1	USB 2.0

## Accessories

### - USB Conference Phone

**The CHAT 150 USB connects to PCs for rich, full-duplex audio communications, web collaboration applications, instant messaging, and any other application requiring two-way audio.**

**Connects to laptops and PCs** — for use with:

- Web conferencing applications
- Instant messaging with audio chat
- Audio playback with media players, such as QuickTime, RealPlayer, Windows Media Player

Featuring ClearOne's trademark audio processing performance, CHAT 150 delivers unmatched full-duplex capability for crystal-clear communications. It includes three built-in microphones for full 360-degree pickup.

The CHAT 150 is a perfect addition to the office or conference room for greatly enhanced collaboration.

The CHAT 150 also connects to the following devices:



**Contact Information:**  
**[info@GoToVmeet.com](mailto:info@GoToVmeet.com)**