

WOWVISION



User Manual

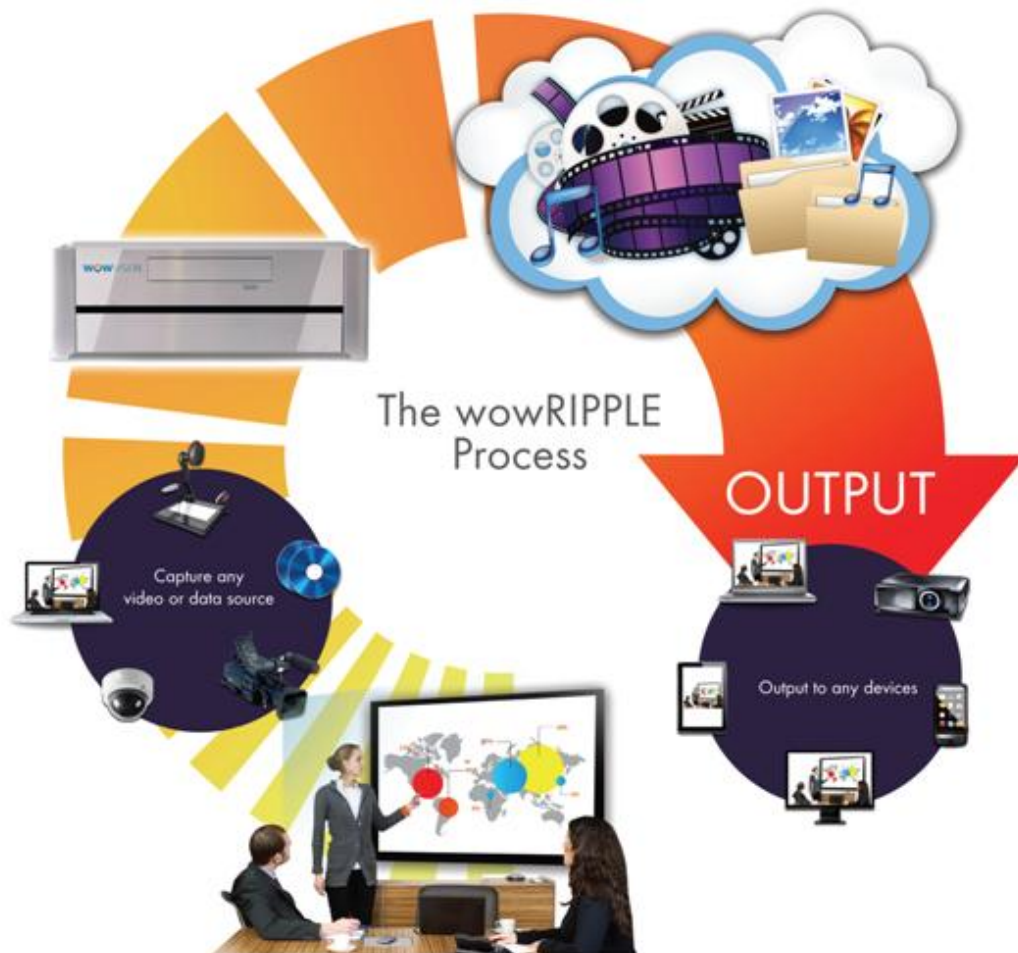
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Welcome

wowRIPPLE provides ability to stream live events such as lectures, classrooms, conferences across the campus of an educational institution, university, school and corporate over internet/ intranet.

The solutions provide encoding of live content and transmission over IP to enable education institutions to distribute high quality video. Distribution can be over wireless networks or dedicated lines over local private networks within the building, and over the Internet to remote students/ viewers. Schools can also use WOW Ripple solution to acquire and distribute on-air content and teacher briefings throughout the facility.



Administration Panel

To access the WOW Ripple, start a web browser and type in the address of your streaming server IP into the address bar to view the page below.



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Welcome to WOW Streaming Solution. This will allow you to Live Stream a Classroom / Meeting room session as well record the same with multiple sources of inputs.

User Name:

Password:

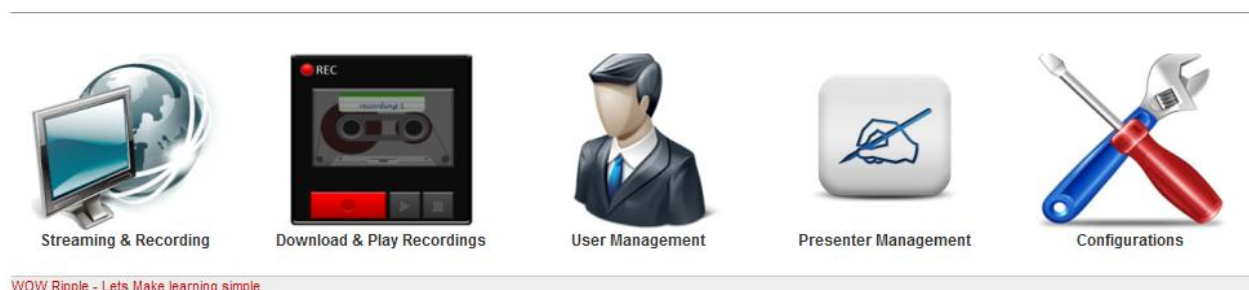
Login

Enter a valid administrator account in the login form and click the Login button.

Default User Name = su

Default Password = supass

After login, the main menu toolbar is shown below:



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There are five features available in wowRipple:

1. Streaming and Recording
2. Download and Play Recording
3. User Management
4. Presenter Management
5. Configurations

Streaming & Recording

Now click at the Streaming and Recording image.

Audio Settings

Line In Audio HDMI Audio MIC Audio

Stream Order

ID	Device Name
1	VGA - HDMI - DVI
2	Composite 1 - Video 1
3	Composite 2 - Video 2

Scene Selection

FIRST

Session Description

Advance Settings

Output Resolution : 1280x720 Bitrate : 2048

Recording

Show Logo Select Logo

Show Scroller Add Scroller Text

Start Streaming Stop Streaming

Play Stream

VEOS
Wireless Collaborative Presentation Solution

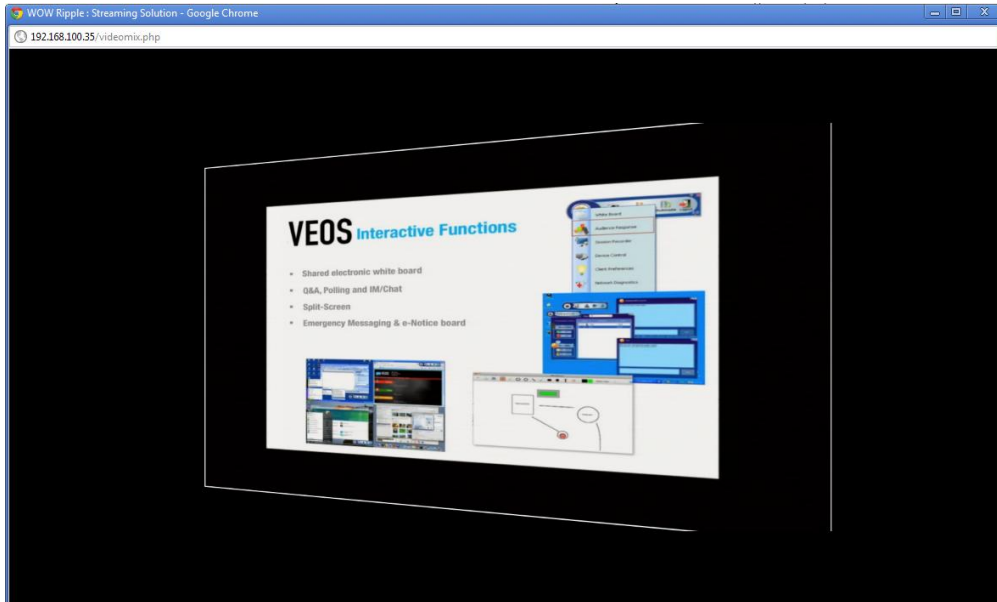
WOW vision
Simplifying Simplicity

Status: Running..

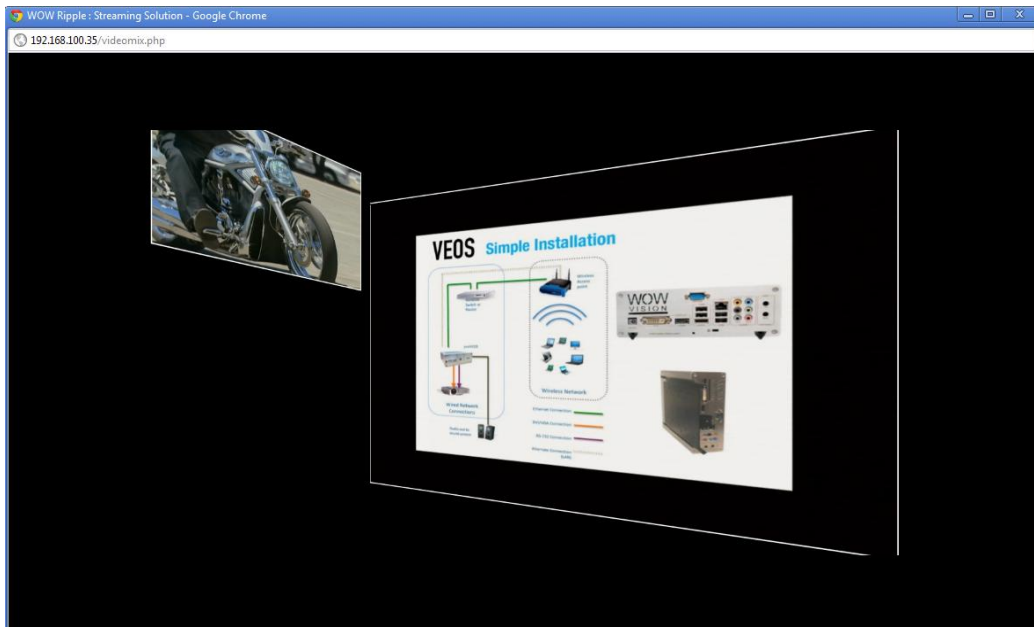
It will be open with following features:

- 1. Video Devices:** 3 Video capture devices for mix available to user as given below.
 - a. VGA – HDMI –DVI:** System’s desktop screen which connected through VGA or HDMI [model specific] or DVI [model specific]
 - b. Composite 1 / Video 1:** set as Camera or Setup box or DVD device
 - c. Composite 2 / Video 2:** set as Camera or Setup box or DVD device
- 2. Audio Settings:** 2 Audio capture devices for mix of audio as given below
 - a. HDMI Audio** [model specific] or Line In Audio
 - b. MIC Input**

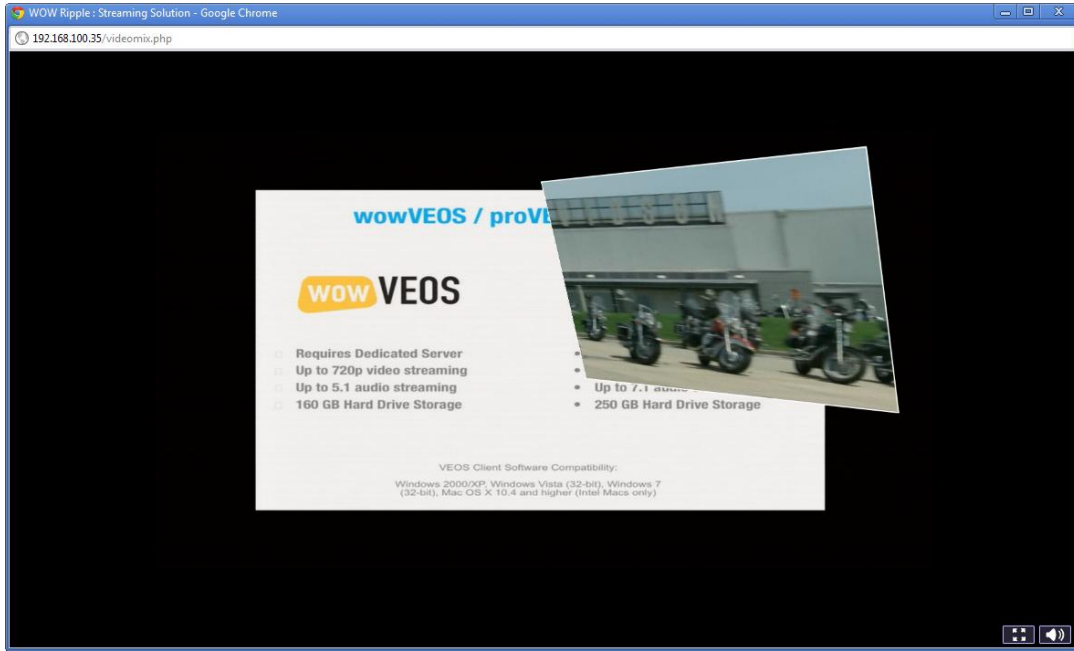
3. **Stream Order:** To set the order of Video output.
4. **Scene Selection:** To set the style of screen from the following:
 - a. **3D First:** It will show the output only of first selected device from screen order in 3D form.



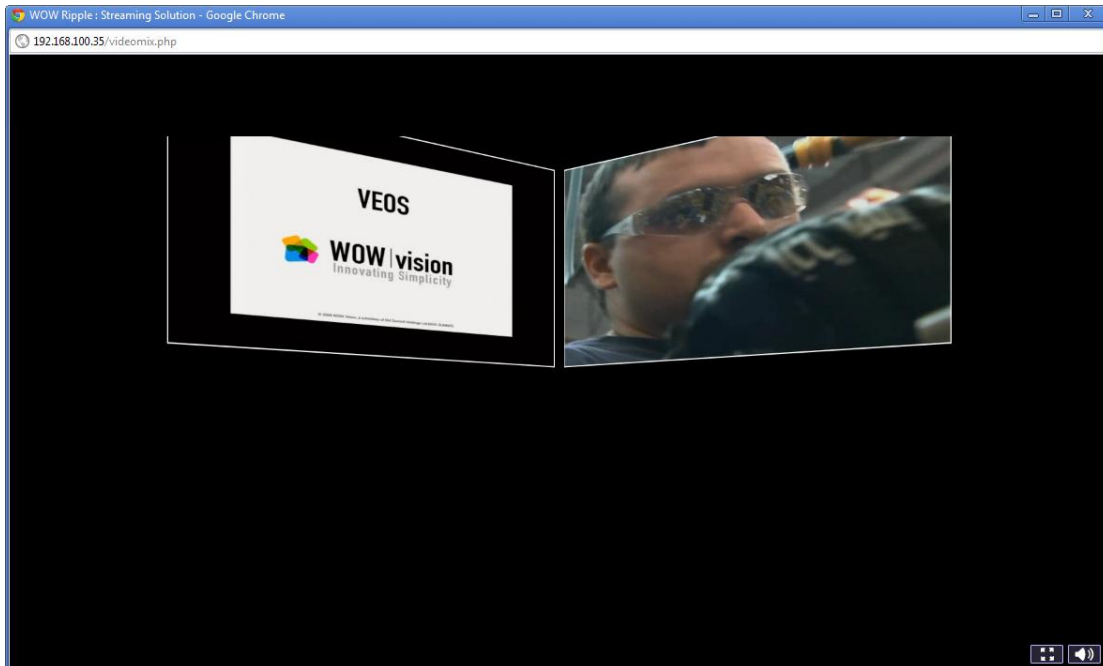
- b. **3D Left:** It will show the output of first selected device from screen order at the left side and at the same time output of one or more other devices at the right side in 3D form. Sound is come from main window only.



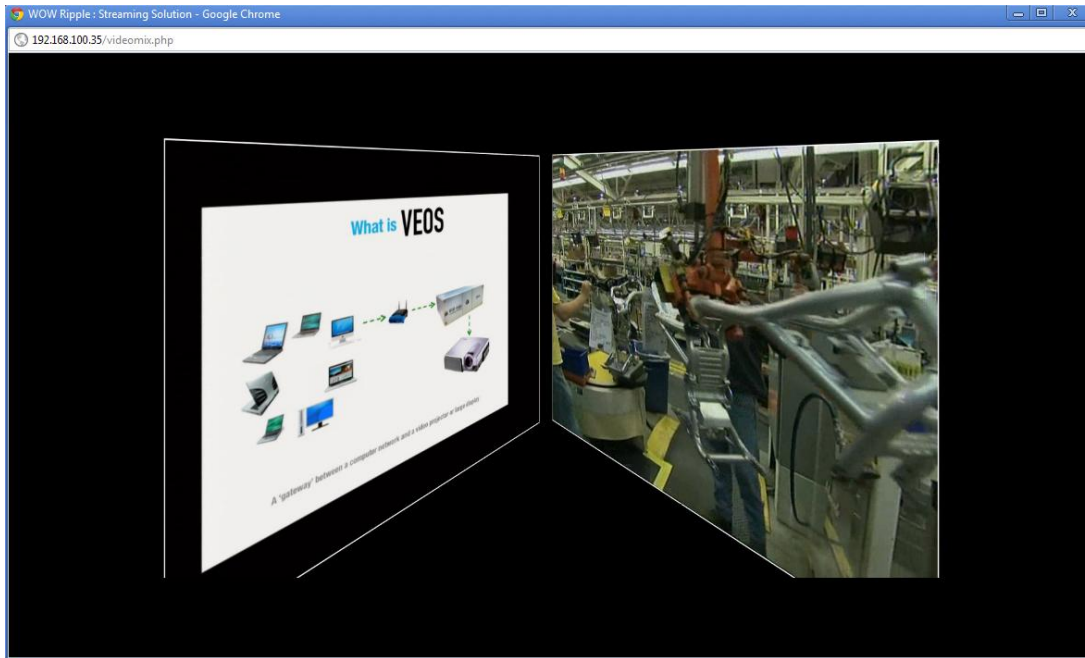
- c. **3D PIP:** Output of first selected device from screen order will be displayed on full screen at the same time output of one other device will be displayed in inset window. Sound is come from the main program only



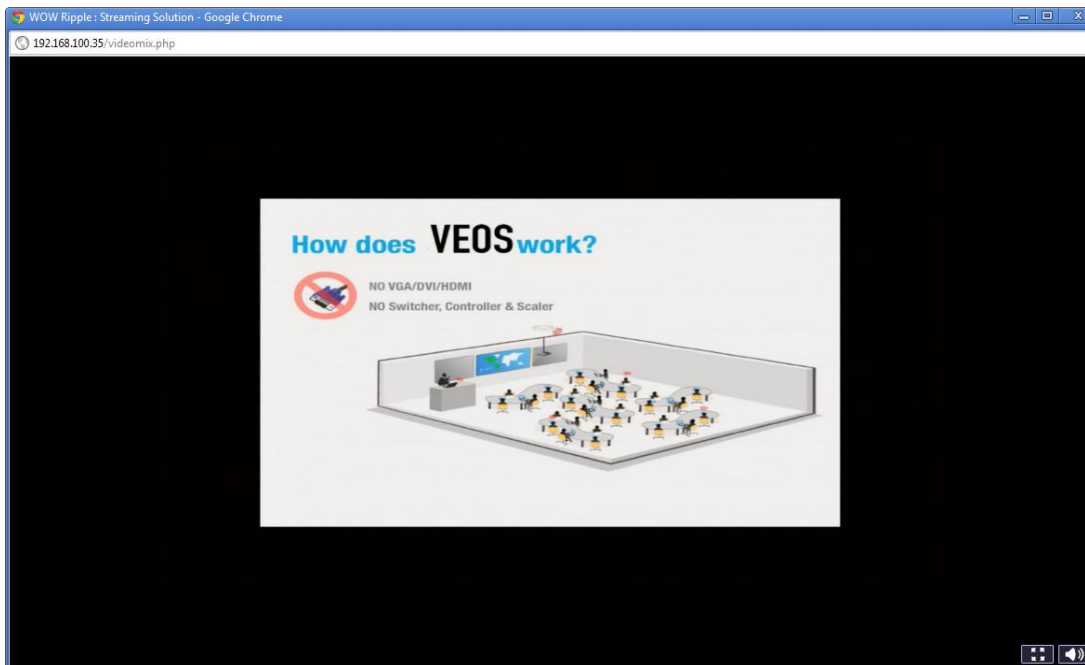
- d. **3D Quad:** It will show the output of all selected devices in Quad mode in 3D form.



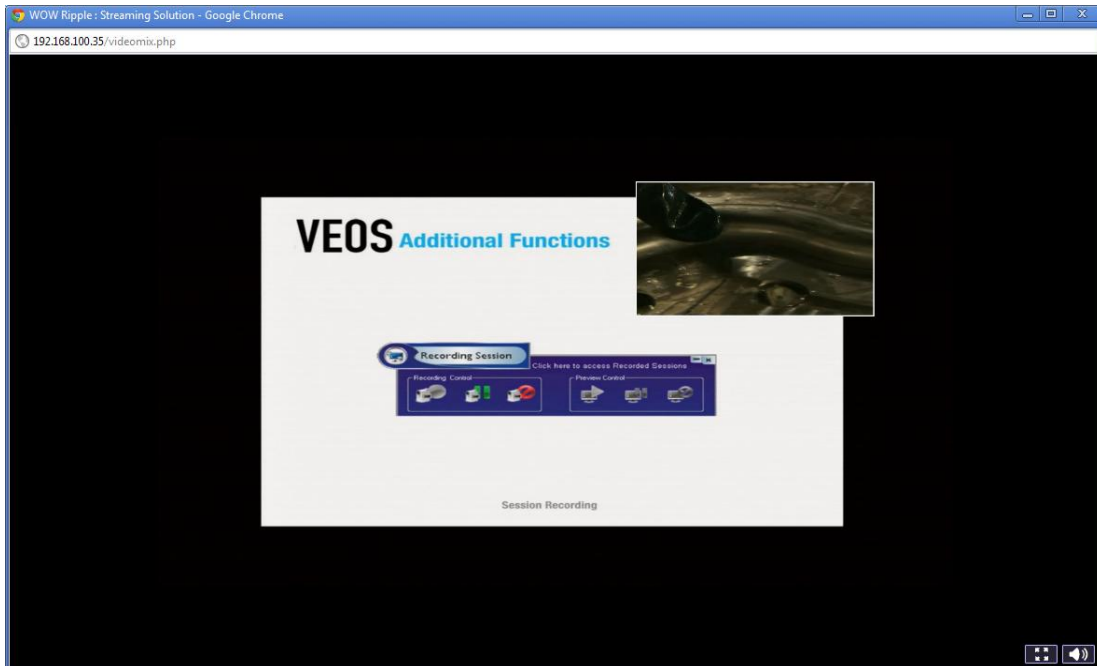
- e. **3D Side:** It shows the output of First 2 devices from screen order, side by side in 3D form.



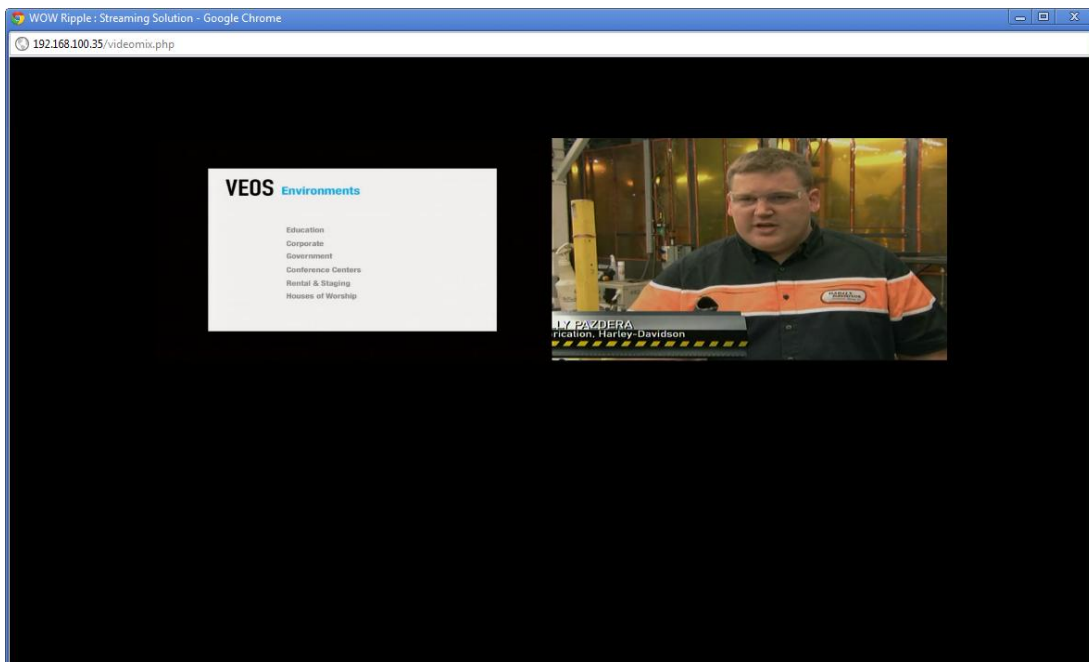
- f. **First:** It shows the Output of First selected device in screen order in full screen.



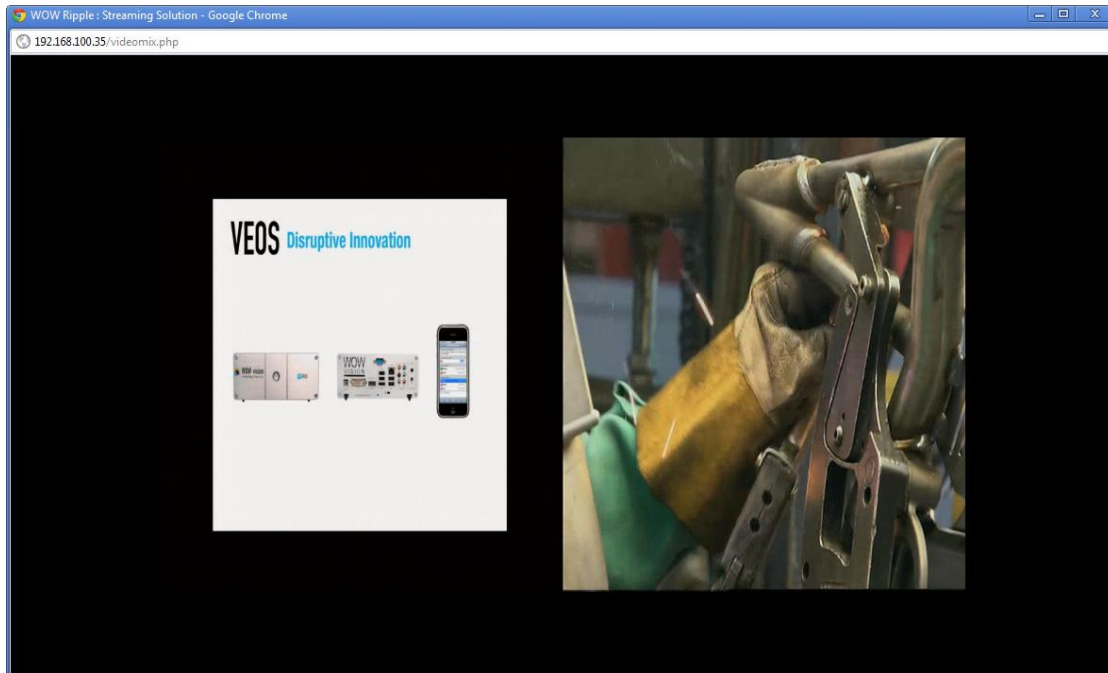
- g. **PIP:** Output of first selected device from screen order will be displayed on full screen at the same time output of one or more other devices will be displayed in inset windows. Sound is come from the main program only.



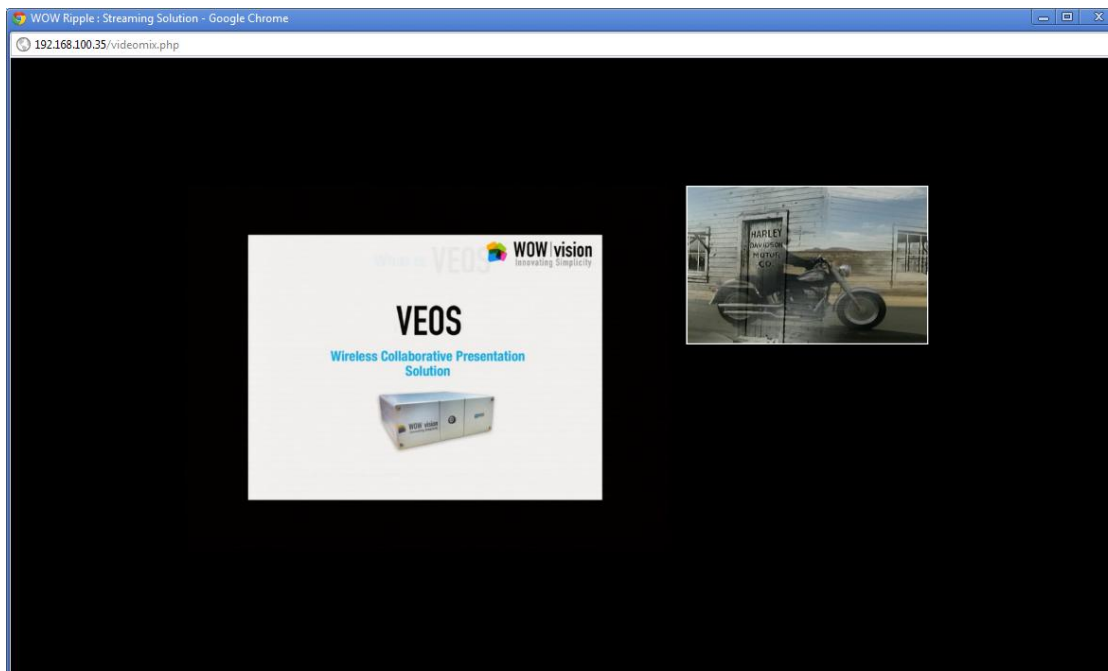
- h. **Quad:** It shows the output of all selected devices in Quad mode.



i. **Side:** It shows the output of First 2 devices from screen order, side by side.



j. **Side by Side:** It shows the output of all selected devices side by side.



5. **Session Description:** To give session description name of recorded data, this will save by given session description name.

6. **Output Resolution:** To set the resolution for Video Output from the following:

- a. 1280x720
- b. 1024x768
- c. 768x576
- d. 720x576
- e. 640x480
- f. 384x288

7. **Bit Rate:** To set the Bit Rate for data transfer.

- a. 128
- b. 256
- c. 512
- d. 640
- e. 768
- f. 1024
- g. 1500
- h. 2048
- i. 3072
- j. 5120

8. **Recording:** To record the session.

9. **Show Logo:** To show logo during the streaming.

To show Logo:

- Select any logo from your computer
- Check Show Logo

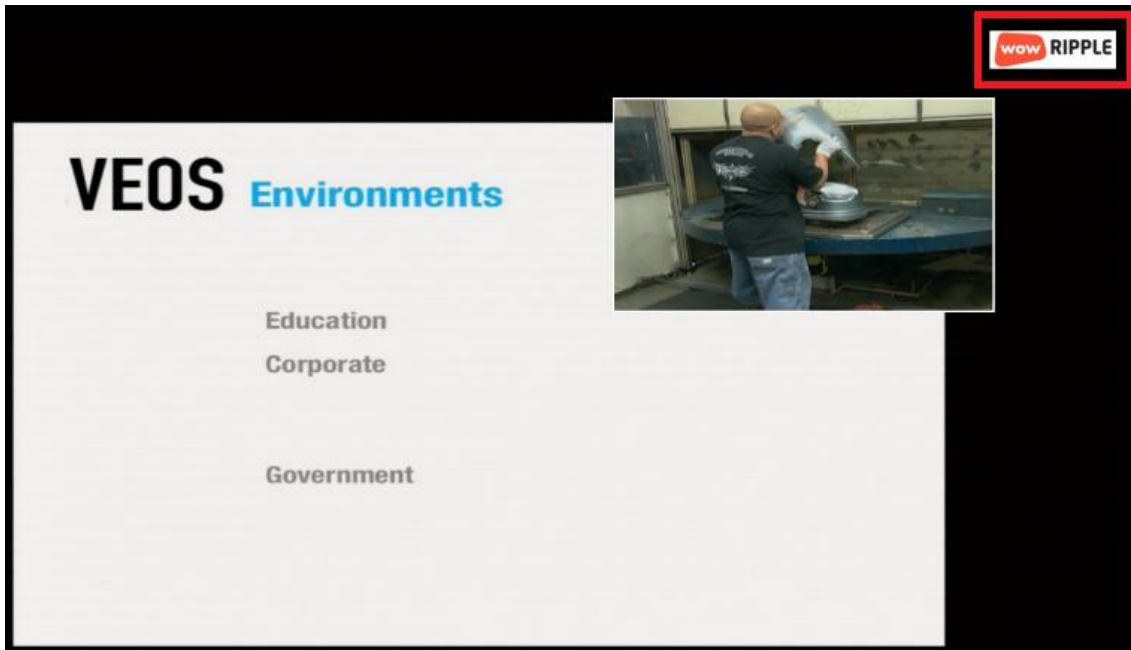
The screenshot displays the wowRIPPLE streaming control interface. On the left is a settings panel with the following sections:

- Audio Settings:** Radio buttons for Line In Audio, HDMI Audio, and MIC Audio.
- Stream Order:** A table with columns ID and Device Name.

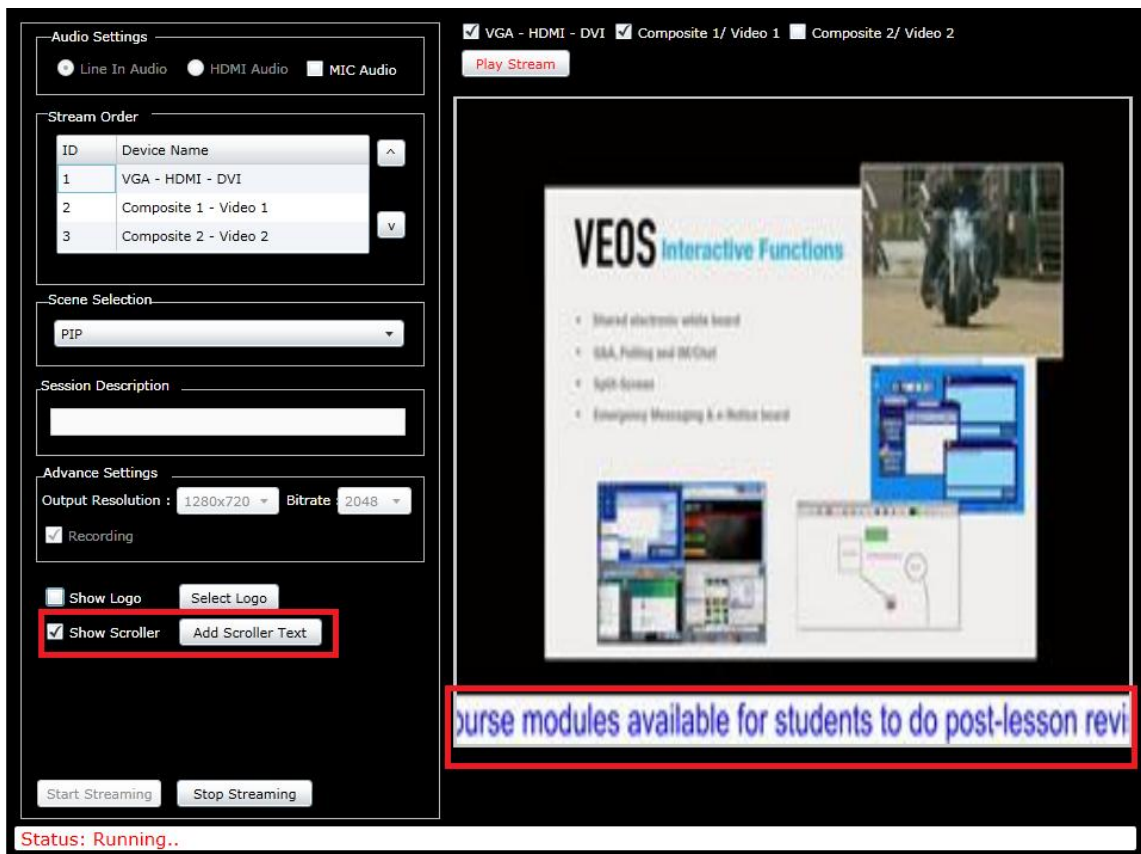
ID	Device Name
1	VGA - HDMI - DVI
2	Composite 1 - Video 1
3	Composite 2 - Video 2
- Scene Selection:** A dropdown menu set to PIP.
- Session Description:** A text input field.
- Advance Settings:**
 - Output Resolution: 1280x720
 - Bitrate: 2048
 - Recording:
 - Show Logo: (highlighted with a red box)
 - Show Scroller:

Buttons for 'Start Streaming' and 'Stop Streaming' are at the bottom of the settings panel. A 'Play Stream' button is located above the main preview area. The main preview area shows a video stream of a smartphone advertisement. A small 'wowRIPPLE' logo is visible in the top right corner of the video, highlighted with a red box. At the bottom of the interface, a status bar displays 'Status: Running..'.

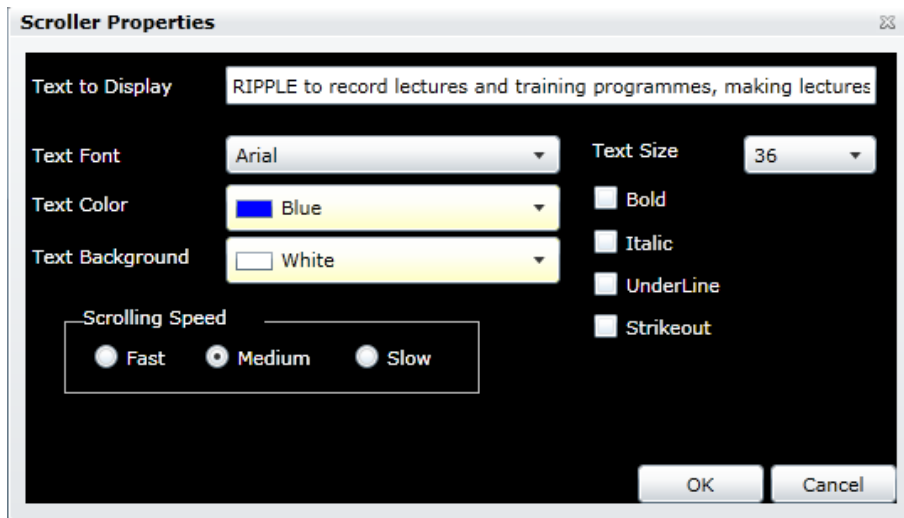
Logo will show like this:



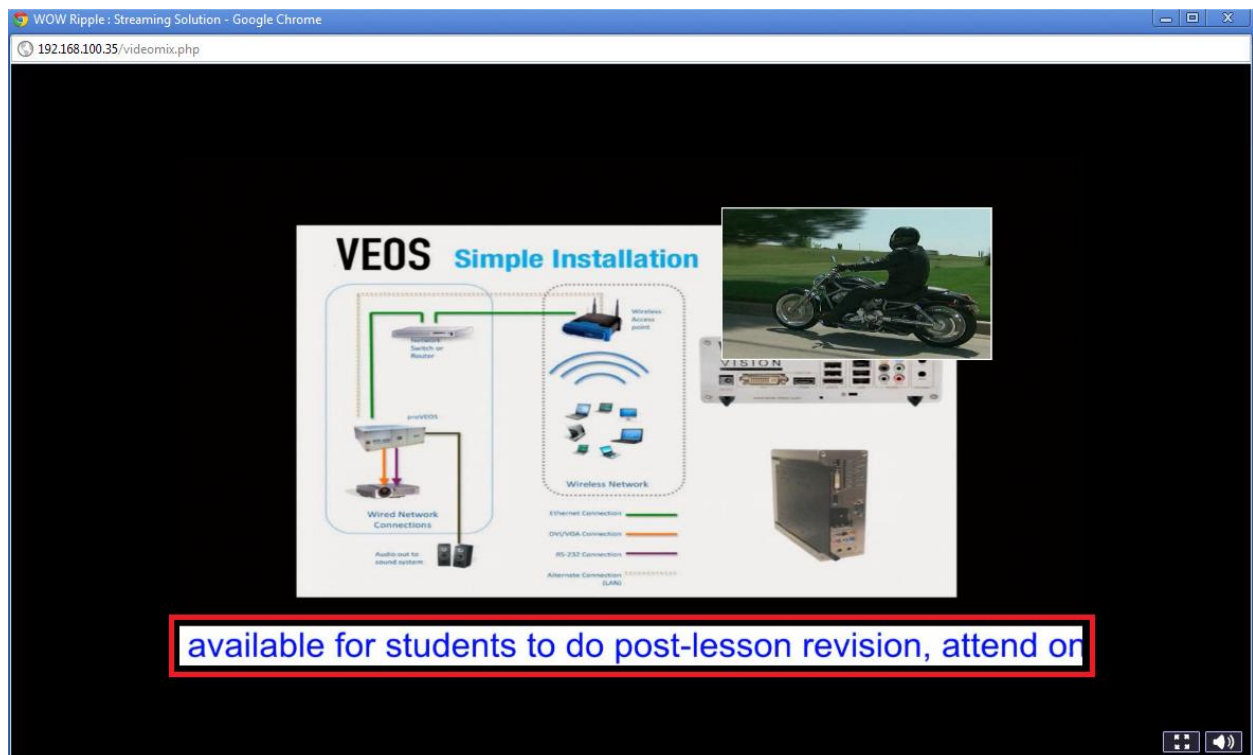
10. Show Scroller: To show any message or information at the screen during streaming.



User can set the font, font size, font color and background for scroller as per his desire through scroller properties.



Scroller will show like this at the screen:



11. **Start Streaming:** To start streaming.
12. **Stop Streaming:** To stop streaming.
13. **Play Streaming:** To play current streaming video.

Start / Stop and Play Streaming

Start Streaming/Stop Streaming: A user can start streaming by clicking at the Start Streaming button. A user can see the live streaming audio video over the screen player.

To Start Streaming:

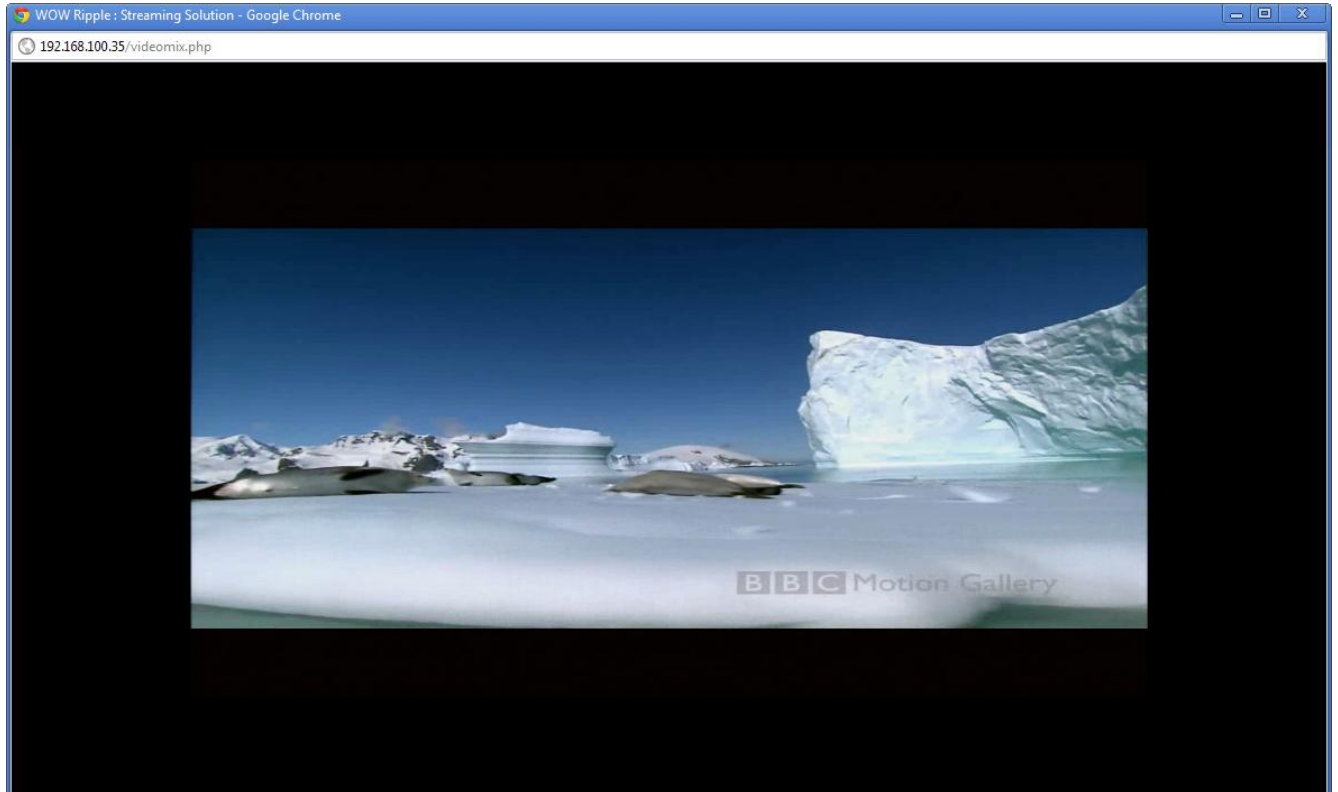
- Select any / all Video Capturing Device
- Select any Audio Capturing Device from Audio Settings.
- Now click at the Start Streaming button to start streaming.

The screenshot displays the VEOS software interface. On the left, the 'Audio Settings' panel includes radio buttons for 'Line In Audio', 'HDMI Audio', and 'MIC Audio'. Below it, the 'Stream Order' table lists three devices: 'VGA - HDMI - DVI' (ID 1), 'Composite 1 - Video 1' (ID 2), and 'Composite 2 - Video 2' (ID 3). The 'Scene Selection' dropdown is set to 'PIP'. The 'Session Description' field is empty. Under 'Advance Settings', 'Output Resolution' is 1280x720 and 'Bitrate' is 2048. A 'Recording' checkbox is checked. At the bottom of the settings panel, 'Start Streaming' and 'Stop Streaming' buttons are highlighted with red boxes. The main video player on the right shows a live stream of a person on a motorcycle, with a 'Play Stream' button highlighted in red above it. The status bar at the bottom indicates 'Status: Running..'

ID	Device Name
1	VGA - HDMI - DVI
2	Composite 1 - Video 1
3	Composite 2 - Video 2

To Play Streaming:

- Click on Start Streaming (Play Streaming button will be available)
- Click on the Play streaming button, user will redirect another dedicated window to view the current streaming.




Schedule Streaming & Recording

User can schedule the streaming along with desired video and audio devices.

While streaming you can also schedule the recording, which can be use later.

To add Schedule for Streaming & Recording:

- Click on Streaming and Recording
- Click on Schedule Recording  [Schedule Recording](#)
- Select Video Device(s)
- Select Audio Device(s)
- Select Scene from Scene Selection drop down
- Enable Recording if you want to record the streaming for later use.
- Define Schedule Name
- Enter Start Date and End Date
- Enter Start Time and End Time
- User can also select the schedule

For Example: If user wants to make a schedule from 28th Nov 2011 to 28th Dec 2011 User can select Start Date as 28/11/2011 and End Date as 28/12/2011. To make schedule for specific dates, choose Day as 16th and 28th, Month as November, Weekdays as Wednesday and Monday with the help of Ctrl key.



Video Device

- HDMI / DVI/ VGA
- Composite 1/ Camera 1/ Video 1
- Composite 2/ Camera 2/ Video 2
- Enable Recording

Schedule Name

Audio Device

- Line In HDMI Audio Mic In

Scene Selection

3D FIRST

Start Date

02/20/2012

End Date

02/20/2012

Start Time

17 : 58 : 00

End Time

17 : 58 : 00

Select Schedule

Days

1	13	25
2	14	26
3	15	27
4	16	28
5	17	29
6	18	30
7	19	31
8	20	
9	21	
10	22	
11	23	
12	24	

Months

January
February
March
April
May
June
July
August
September
October
November
December

Weekdays

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

Schedule Recording

To Modify Schedule:



- Click on List Schedule [List Schedules](#)
- Click on Edit button to update existing details
- Edit Schedule's details
- Click on Update Schedule button

To Delete Schedule:



- Click on List Schedule [List Schedules](#)
- Click Delete button
- Click on OK to delete schedule



Download and Play Recording

Click at the Download and Play Recording Image, it will open Streaming/Recording session history page including some feature with Play, Download, and Delete Link. This is the place where recorded stream media saved. From this page user can download recorded stream media or can Play directly recorded stream media from here.

Here user has the provision to see the history in:









- a. Detail View
- b. List View

List View:

 [Detail View](#)
 [Advance Search](#)

Streaming/Recording Session History

Session Description OR Presenter Name

				Presenter Name	Session Date	Topic	Session Description
				Mr Smith Waton	2012-02-20 16:01:47	Molecular Diagnostic	Complete Molecular Diagnostic work flow
Update Presenter	Play	Download	Delete	Ms Pootcharin	2012-02-20 15:26:30	Infectious Diseases	performing and interpreting molecular-based laboratory tests explaining the appropriate use and meaning of molecular-based tests
				Mr Dwayne	2012-02-20 11:20:38	development of molecular	development of molecular and genetic approaches to the diagnosis and classification of human tumours
Update Presenter	Play	Download	Delete				

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Update Presenter: User can set presenter properties for this recording.

Play: User can play recorded stream file from this Play link.

Download: User can download recorded stream media from here.

Delete: User can Delete recorded stream media at clicking to this link.

Session Date: Date of the recording.

Topic: User can define Topic name at the click on Update Presenter.

Session Description: This session description text box will provide to find you filter recorded data by session description name wise. User can search his recorded stream media file which is saved by given name.










Detail View:

[List View](#) [Advance Search](#)

Streaming/Recording Session History

Session Description OR Presenter Name

First Previous 1 2 3 4 5 6 7 8 9 [Next](#) Last

 <p>Presenter Name Mr Smith Waton Designation Lecturer Topic Molecular Diagnostic Keywords Diagnostic Science Description Complete Molecular Diagnostic work flow Session Date 2012-02-20 16:01:47</p> <p>   </p>	<p>Presenter Name Ms Pootcharin Designation Lecturer Topic Infectious Diseases Keywords Diagnostic Science Description performing and interpreting molecular-based laboratory tests explaining the appropriate use and meaning of molecular-based tests Session Date 2012-02-20 15:26:30</p> <p>   </p>
--	---

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Advance Search: User can search the saved recording on the basis of Presenter Name, Date From, Date To, Topic and Keywords.

Streaming/Recording Session History Advance Search

Presenter Name

Date from 

Date to 


Topic

Keywords

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User Management

Clicking at the User Management image, will open User Management page including some feature with Add, Edit and Delete Link. This is the place from where user can manage user account like add, edit delete user account.


[Add User](#)




Modify / Delete User


User Name

		User ID	User Name
		6	johnmathew
		4	PG
		1	su

First Previous 1 Next Last

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- To search user enter user name in User Name text box to find the result.
- To change the settings of a user account, click the Edit Image 
- To remove the account click the Delete Image 
- To add User, click on Add User image 


[Edit User](#)

Add User

User Name

Login Id

Password

Confirm Password

Active


Remarks

<input type="checkbox"/> Administrator	<input checked="" type="checkbox"/> User/Presenter Management	<input checked="" type="checkbox"/> Recording Management
<input checked="" type="checkbox"/> View Live Stream	<input checked="" type="checkbox"/> View Recorded Session	<input type="checkbox"/> Live Stream Management
<input type="checkbox"/> Add as Presenter		

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Presenter Management

This module allows adding presenter information and updated to already recorded media. This helps to update lectures details, information about presenter, photo of presenter etc and allows to search.


[Add Presenter](#)




Modify / Delete Presenter


Presenter Name

		Presenter ID	Title	Name	Designation
		4	Mr	Dwayne	Lecturer
		1	Ms	Pootcharin	Lecturer
		5	Mr	Smith Waton	Lecturer

First Previous 1 Next Last

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- To search presenter, enter presenter name in Presenter Name text box
- To edit Presenter, click on Edit Presenter image 
- To delete Presenter, click on Delete Presenter image 
- To add Presenter, click on Add Presenter image 


[Edit Presenter](#)

Add Presenter

Title

Name

Designation

Upload Photo No file chosen

About Us

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Configuration

Clicking at the Configuration Image, will open device information and network setting page, And also provide disk space information and product version no.

Network Settings

Device Information	
MAC Address	70:71:BC:6B:FD:B3
IP Address	<input type="text" value="192.168.100.35"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168.100.1"/>
DNS Server	<input type="text" value="192.168.100.1"/>
Apply Settings	

Disk space Information	
Total Disk Size	105.83 GB
Space Available	31.97 GB

Current Version : 2.0.0

Power Management	
Reboot	Shutdown

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Now user can change his IP Address and device configuration. After changing IP Address click at the Apply Settings button to reboot the gateway.



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