



# **Easy Media Suite**

# **Easy Multiviewer**

# **User Manual**

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## 2. Overview

Easy Multiviewer offers the user to record at the same time the source from the options to the live video and network video broadcast at the entrance of the system by providing simultaneously be mixed or desired shape to a minimum 9 monitors in the form of a maximum of 11 source or re-stream to.

## 3. Software

### 3.1. Easy Multiviewer

When run Easy Multiviewer program confronted with a screen as in Figure 1. Easy Multiviewer has 2 different interfaces. Left-looking interface is made of completely for settings and on the right interface of the MultiView window appears. This MultiView window system installed within two monitor user-defined or are provided automatically.

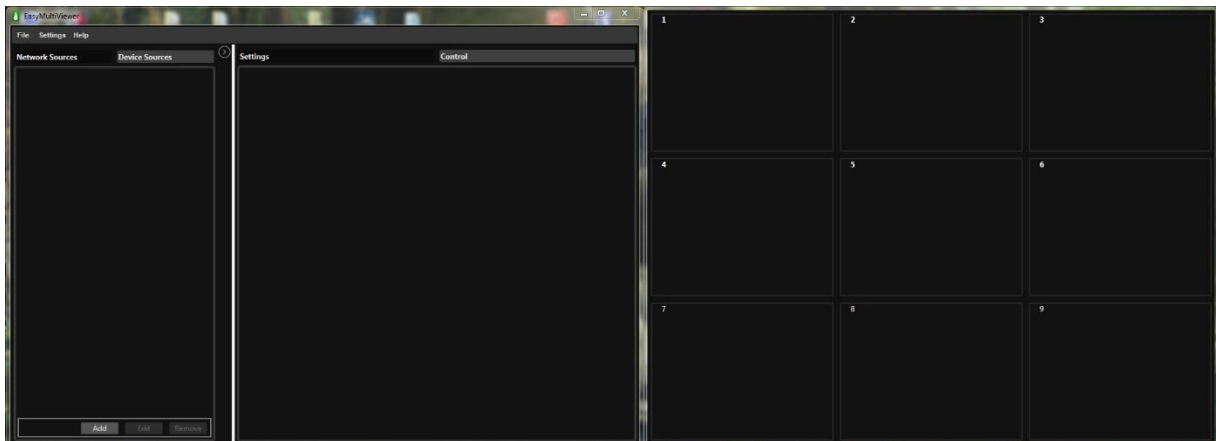


Figure 1

#### 3.1.1. Sources

On Easy Multiviewer program there are 2 source input form. The first Network Resource Access Card and the other is video inputs . Total of 11 video streams as a source of input can be monitor or video card. The number of these sources varies according to system performance.

#### 3.1.2. Network Sources (Figure 2)

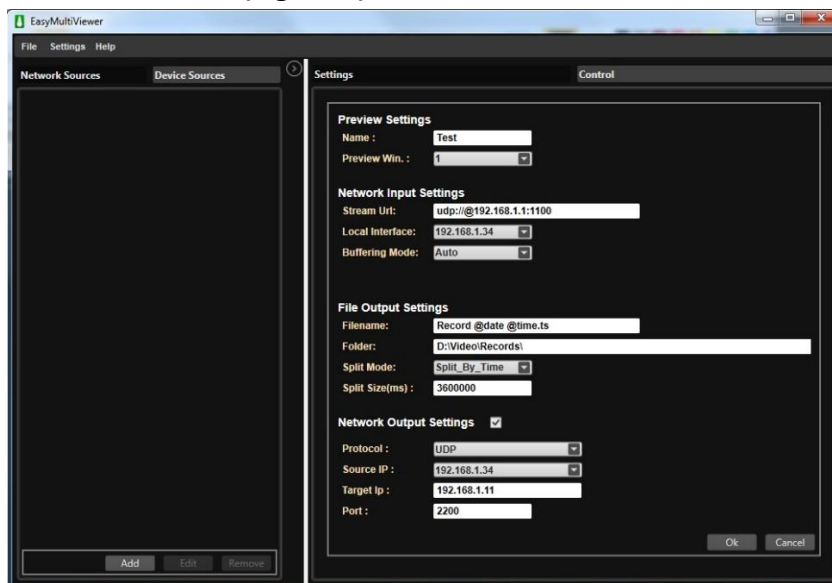


Figure 2

Creating a network source by pressing add our stream from Network Sources we reached our part of the input source menu. We're setting our title in the first row Preview Settings menu.

**3.1.2.1 Preview Settings (Figure 3):**

**3.1.2.1.1 Name :** This will be the name Network Resources to give you the MultiView window select the order the window we will see that we have given the name.

**3.1.2.1.2 Preview Win** This option has the numbers one to eleven. These are the order of placement of the MultiView window.Which window we want to show that we choose our source number.

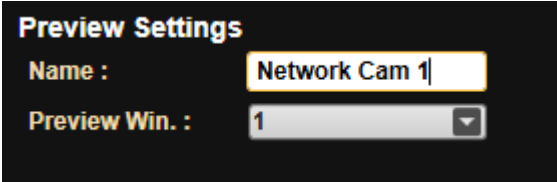


Figure 3

**3.1.2.2 Network Input Settings (Figure 4) :**

**3.1.2.2.1 Stream URL :** This menu has the IP address of the resource that we want to monitor Stream protocol (UDP or RTP) is entered in writing with the port.

**3.1.2.2.2 Local Interface :** This menu may have more than one network card, and we want to use the IP address that we choose our definition stream's come in our computer network card.

**3.1.2.2.3 Buffering Mode :** Our setting is automatically defined as the standard buffer. Users can change as preference by selecting milliseconds or Low Delay option is available.

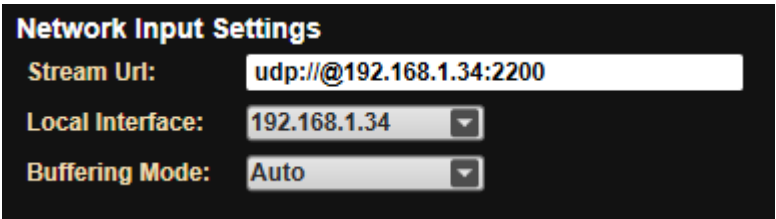


Figure 4

**3.1.2.3 File Output Settings (Figure 5): .**

Our video source is coming from the network menu of the MPEG-TS recording option.

**3.1.2.3.1 Filename :**

We give the name of the video will be recorded in this section. Example: Record @date @time.ts @ Signs here that will add to the name of our information after Subscribe

**3.1.2.3.2 Folder :**

Selecting the recording location of the recording that we will video file.

**3.1.2.3.3 Split Mode :**

The recorded file is desired period of time from the splitting or size options.

**3.1.2.3.4 Split Size**

In some of the recorded file in the desired time or the desired size in milliseconds' in kB time is set automatically split basis.



Figure 5

### 3.1.2.4 Network Output Settings (Figure 6):

If we want to re-broadcast the incoming video stream from any IP address can send the stream path.

#### 3.1.2.4.1 Protocol :

Against according to our receiver, we choose our UDP or RTP stream protocol.

#### 3.1.2.4.2 Source IP :

We will use if there is more than one network card on your computer we choose our Ethernet Card that is our starting point .

#### 3.1.2.4.3 Target IP :

We're writing the target of the IP address.

#### 3.1.2.4.4 Port :

We're writing the target of the Port Number.

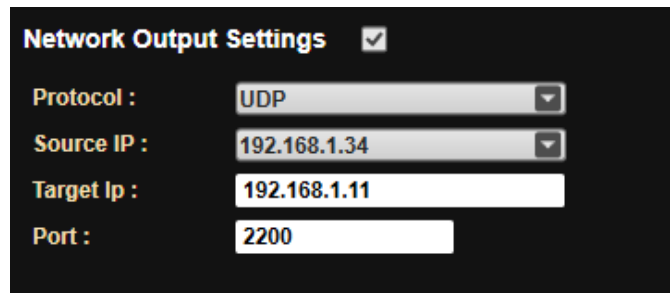


Figure 6

Figure 7 is also seen as part of the Network Sources have come to our first network source. If you are prompted to enter the recording by pressing the Recorder records at the same time then we have initiated.

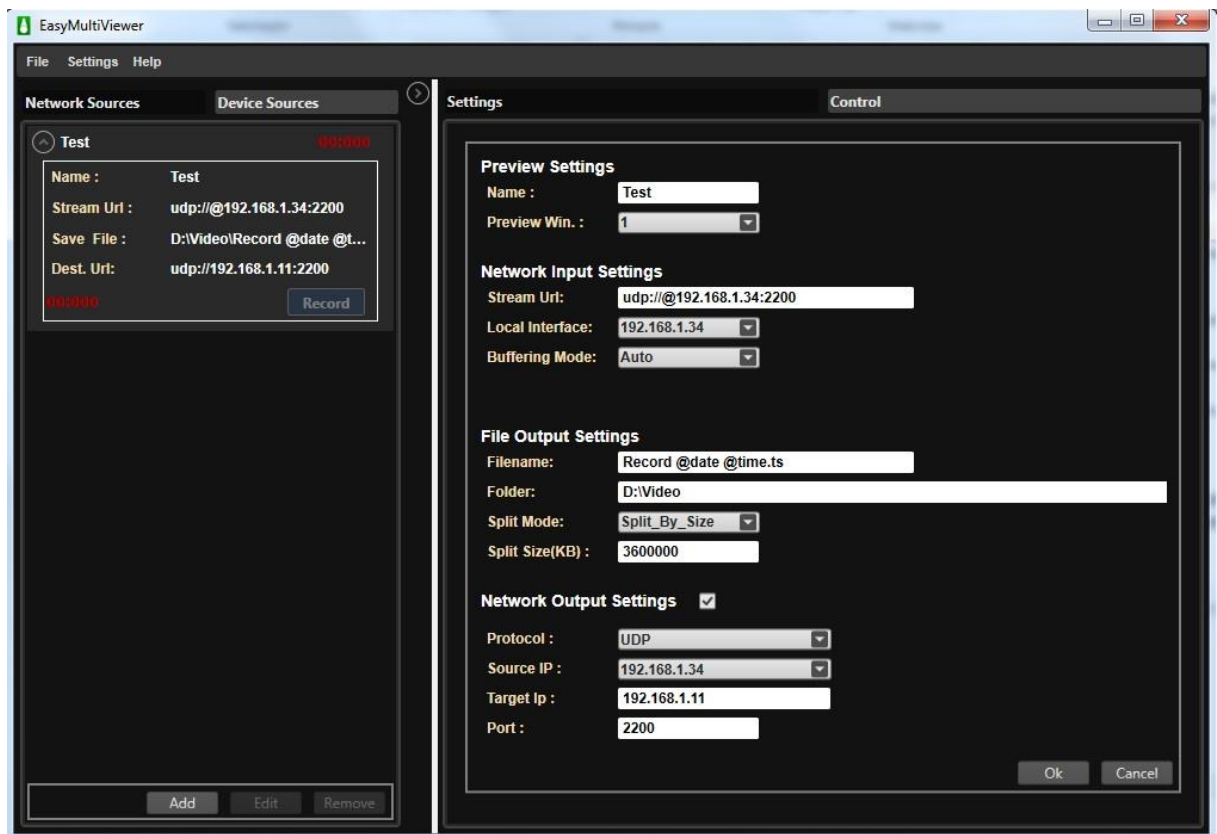


Figure 7

### 3.1.3. Video Card (Device Sources) (Figure 8)

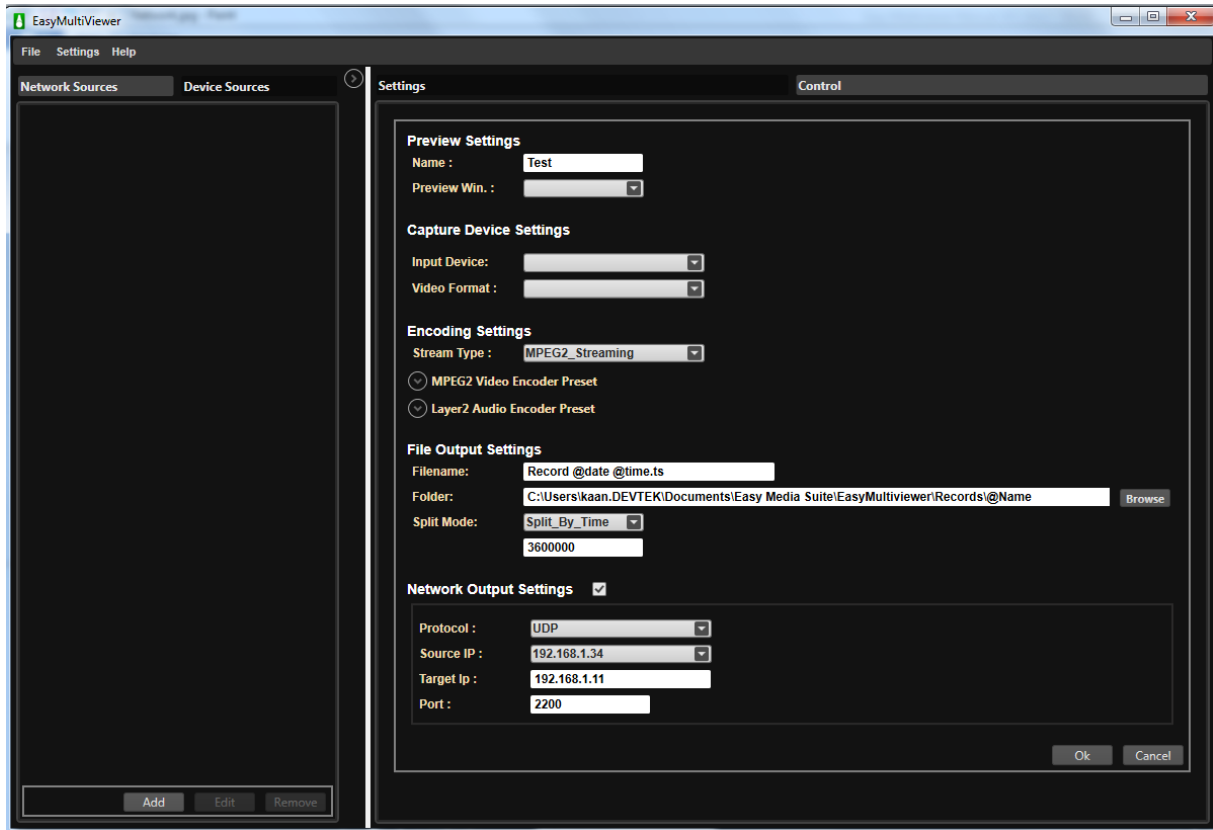


Figure 8

Input source from the device by pressing Resources add some resource we are creating our video card have reached our menu. We're setting our title located in the first row Preview Settings menu.

#### 3.1.3.1 Preview Settings (Figure 9):

##### 3.1.3.1.1 Name :

This Video Card Resource will be to give the name and MultiView is that we have given in the order window, select the window we will have seen the name.

##### 3.1.3.1.2 Preview Win :

This option also has the numbers until 1 to 11. These are the order of placement of the MultiView window. If you want to show the source of our window in which we choose that number.

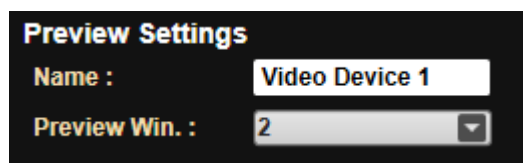


Figure 9

#### 3.1.3.2 Capture Device Settings (Figure 10) :

3.1.3.2.1 Input Device : This menu we choose what we want to monitor our video card.

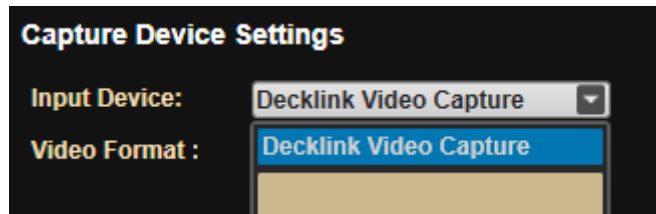


Figure 10

**3.1.3.2.2 Video Format (Figure 11)** : This is our menu settings we finish our card format by selecting the video signal from our video card.

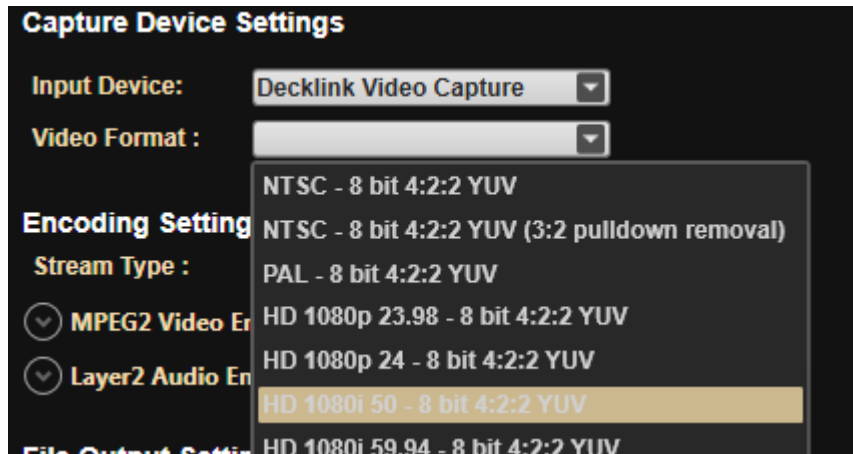


Figure 11

**3.1.3.3 Encoding Settings (Figure 12):**

Video source from the video card Once again we are streamed to help us.

**3.1.3.3.1 Stream Type** : Two different our stream options are available in MPEG-2 or H.264. Stream according to our receiver's one of the must be selected.

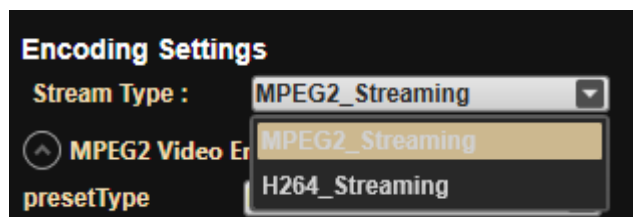


Figure 12

**3.1.3.3.1.1 : MPEG2 Video Encoder Preset (Figure 13)** : When selected the MPEG-2 stream settings comes automatically. Unless required Bitrate exterior is no need to make any changes.



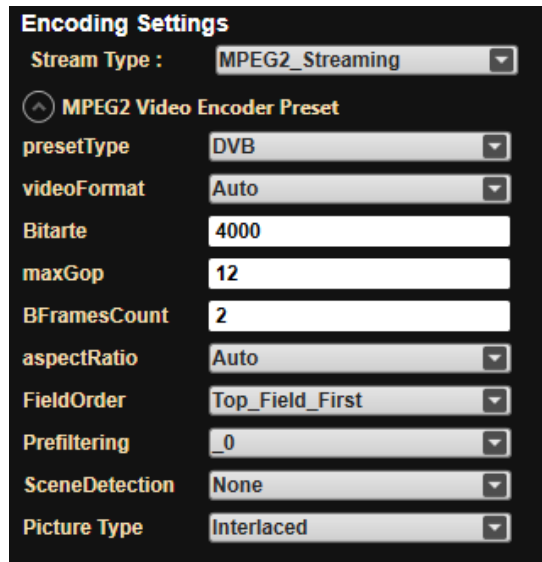


Figure 13

**3.1.3.3.1.2 Layer2 Audio Encoder Preset (Figure 14) :** When MPEG-2 stream is selected automatically the Layer 2 Audio option comes with it also modifications can not be on an external audio bitrate settings.

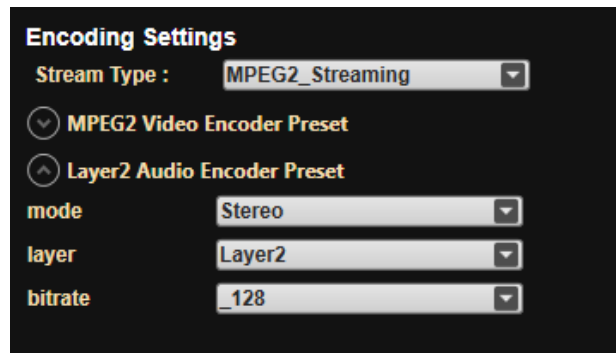


Figure 14

**3.1.3.3.1.3 : H264 Video Encoder Preset (Figure 15) :** The H264 Stream settings comes automatically selected. Unless required Bitrate is no need to make any changes.

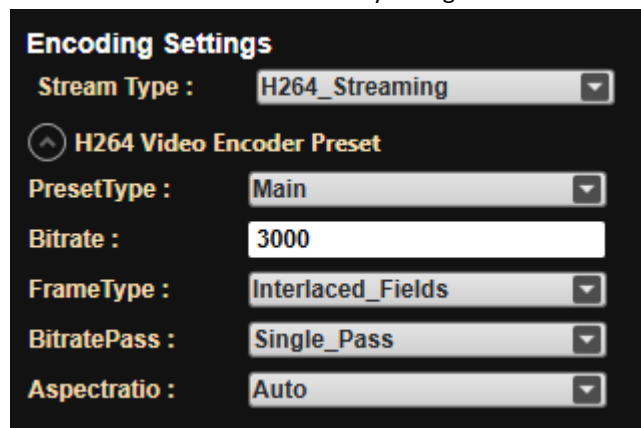


Figure 15

**3.1.3.3.1.4 AAC Audio Encoder Preset (Figure 16) :** When H264 stream option is selected automatically AAC Audio Encoder comes ,bitrate changes in the an external settings is made.

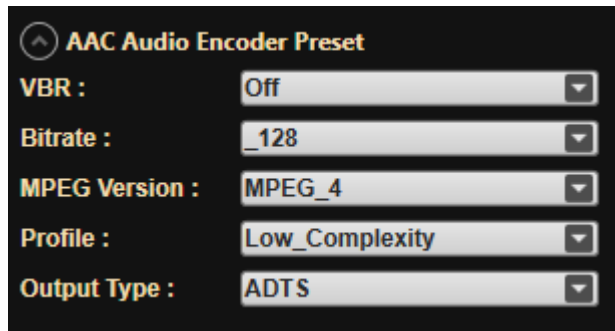


Figure 16

**3.1.3.4 File Output Settings (Figure 17) :**

Our menu is our source of MPEG-TS video card entry.

**3.1.3.4.1 Filename :**

In this section we record your video we will give names. Example : : Record @date @time.ts . @ Signs here that we add our name to benefit from the information after listing so @date (adds date) @time (adds time ) as.

**3.1.3.4.2 Folder :** Selecting the recording location of the video file recording.

**3.1.3.4.3 Split Mode :** The recorded file can be divided at any time or size option.

**3.1.3.4.4 Split Size :** In some of the recorded file in the desired time or the desired size in kb millisecond time is adjusted on the basis of automatic can be divided.



Figure 17

**3.1.3.5 Network Output Settings (Figure 18) :** If we wish the incoming video stream can be broadcast to a stream way to the desired IP address again.

**3.1.3.5.1 Protocol :** We choose UDP or RTP stream against protocol according to our customer.

**3.1.3.5.2 Source IP :** If you have multiple network cards on server we choose our Ethernet Card that is our starting point we will use .

**3.1.3.5.3 Target IP :** We're writing the destination IP address.

**3.1.3.5.4 Port :** We're writing the destination Port number.

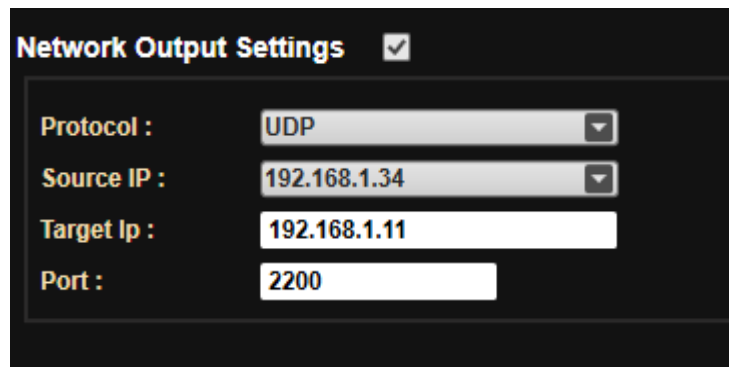


Figure 18

Figure 19 Sources of the device as seen in the first video card it's reached the source. Record simultaneously 'to enter the recording by pressing the Record button, if desired, then we has been initiated.

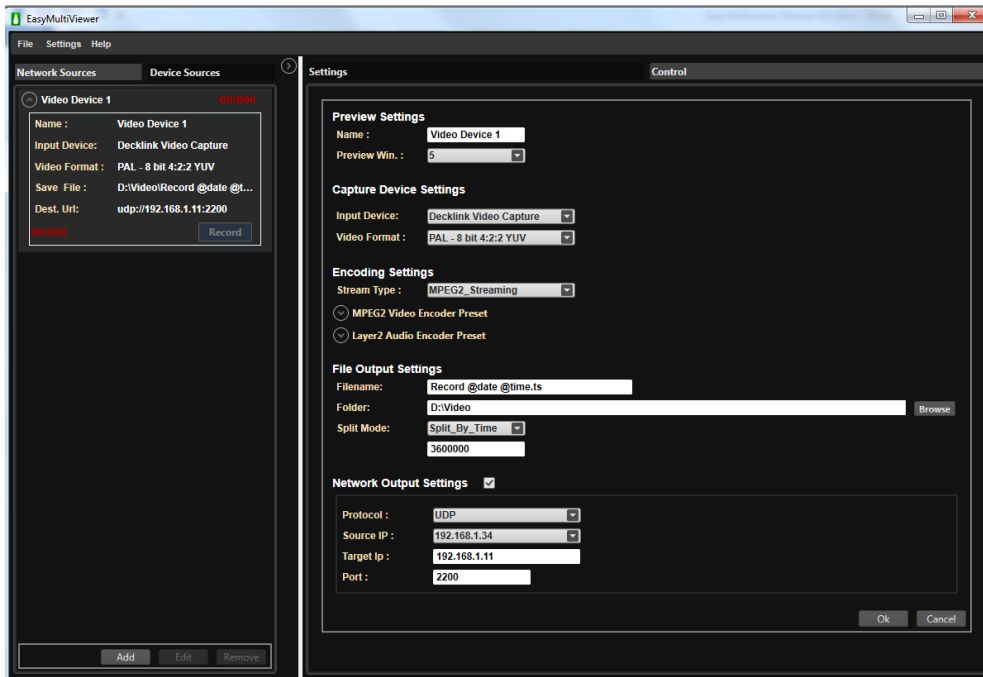


Figure 19

### 3.1.4. Control (Figure 20)

**3.1.4.1 Full Screen Selection (Figure 20):** when you enter the control menü you can see added resources Here it can ensure that the source of the MultiView window full screen by clicking once on the resources we are able to return in the same way we choose MultiView screen again by clicking on the source.

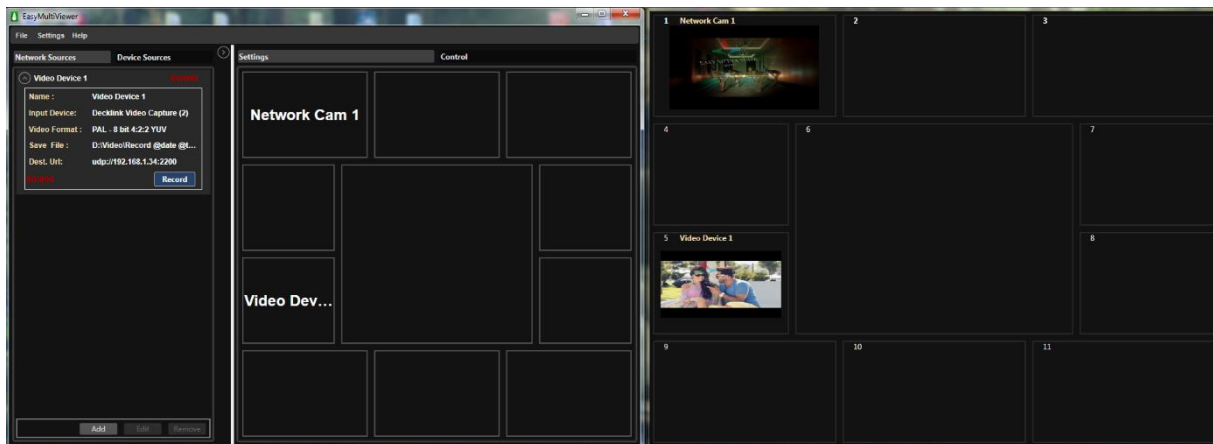
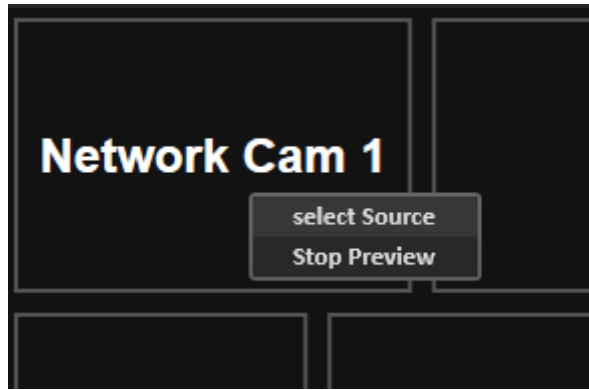


Figure 20

**3.1.4.2 Source window Change (Figure 21) :** We have added resources to control menus are replaced Location of Windows. Example : Network Cam 1 Source to show the screen in the middle of the Multiviewer Network Cam 1 with the right mouse key to tapping the Stop Preview (Figure 20) call.



**Figure 21**

Stop Preview, we see that the selected source after our disappearance from the control window. Click again with the right mouse button on the window that we want (Figure 21) by selecting the source from the Select source option we want to make the change that we are the window. (Figure 22)



**Grafik 22**

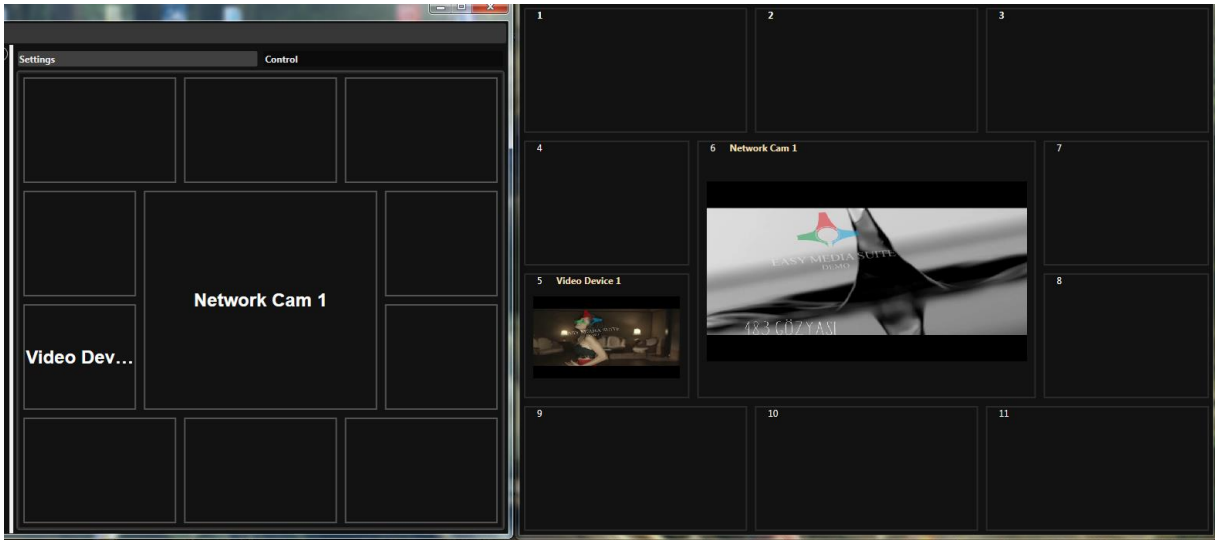


Figure 23

### 3.1.5. Settings (Figure 24)

**3.1.5.1 Multiviewer Ayarları (Figure 24) :** Menu settings in the program;

**3.1.5.1.2 Server Settings Port:** The program allows to be controlled over the Web. System connection with the IP address and port number specified here is provided.

**3.1.5.1.3 Startup Settings:** When set as the startup application option is checked if the system is restarted, the program automatically provides the opening of system.

**3.1.5.1.4 MultiView Settings:** There are two options window in Windows Counter ,the first is that 9 windows second is as 11 windows. After restarting the program should be used selected according to user preferences. If you select the Full Screen option Multiview window will adjust itself to full screen. Working Area options 2 monitors of the system found that if the work area and MultiView window will appear in which the monitor is selected.

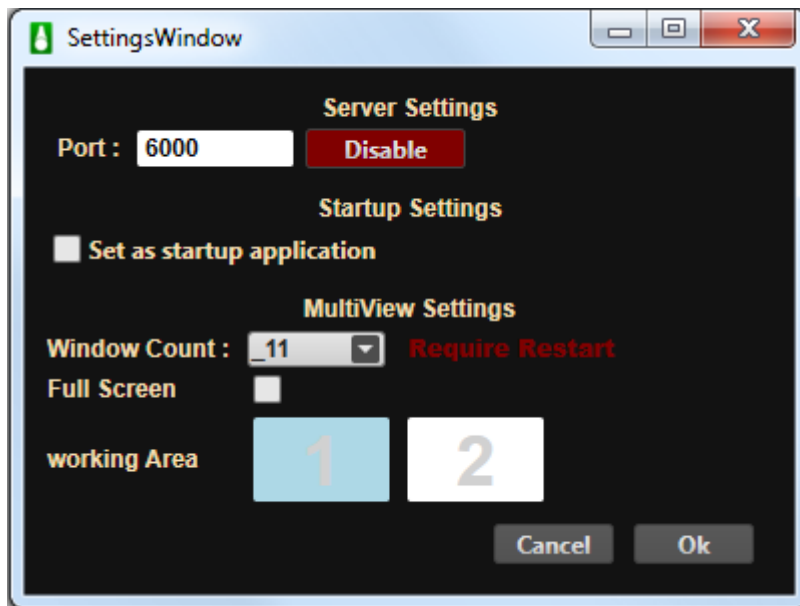


Figure 24

### 3.1.6. Help (Figure 25)

**3.1.6.1 About :** The window displaying version and license information.

**3.1.6.2 License Request :** The program is first installation of the license filled from client company then file by e-mail should be sent to info@devtek.com.tr

**3.1.6.3 Online License Request :** The previously received licenses via the web makes automatic licensing process.

**3.1.6.4 System Info :** Located on the computer hardware knowledge gives.

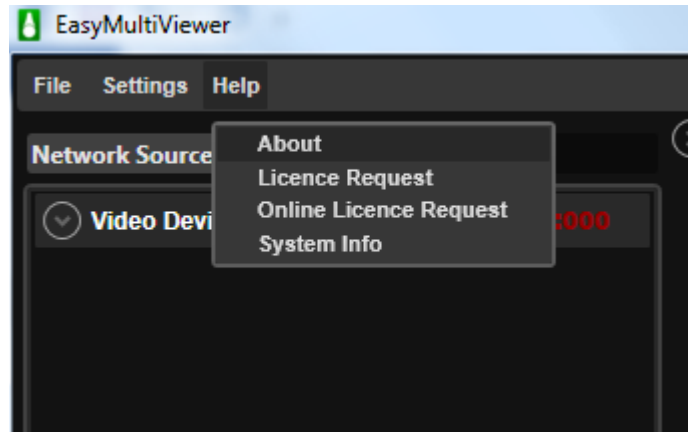
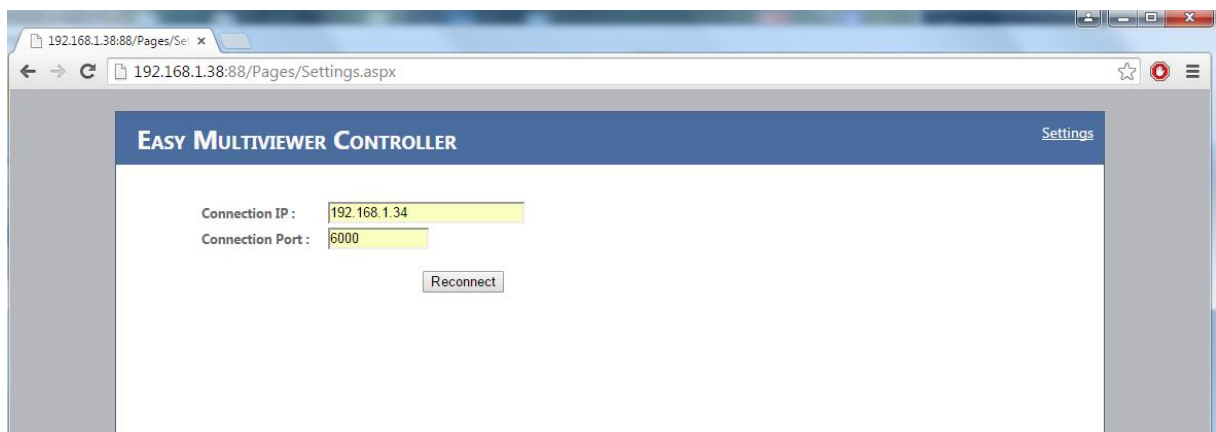


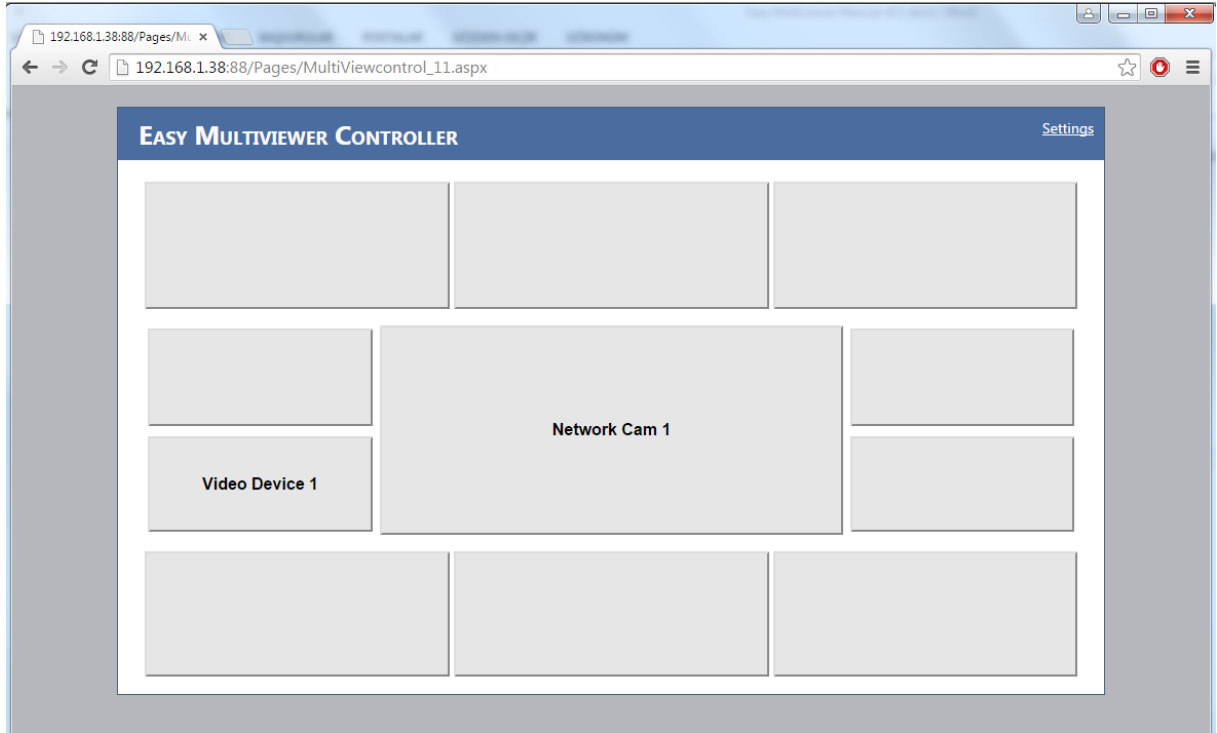
Figure 25

### 3.1.7. Web Control (Figure 26)

**3.1.7.1 :** Easy Multiviewer program is installed the PC except also can be controlled from a web interface. For this MultiView program of the control software is installed on the PC's IP address appears on the screen to enter a web browser (Figure 26) of the program that we want to connect to the IP and port entering the interface control screen (Figure 27) we can easily reach.



Grafik 26



**Grafik 27**

## 4. Technical Support

Easy Media Suite general support is accessed on the web site using the link below:  
<http://www.easymediasuite.com/>.

**Services;**

### 4.1. Support by Phone Support

Easy Media Suite, provide online 7x24 telephone support.

### 4.2. On-site Support

Easy Media Suite provides a project launch or support services in place in case of need in the process when a problem can not be solved over the phone.

### 4.3. Remote Access Support

Easy Media Suite provides remote access via virtual private networks (VPN) for customers. Version updates, system configuration, daily management; It can be configured through a Virtual Private Network.

## 5. Contact

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