## **12.** Configurations for VLC

The following are instructions on how to configure VLC media player for recording your computer screen.

# 12.1. Windows

1. Open Capture Device



2. Set capture mode to "Desktop" and frame rate 12fps. Click Stream.

🕑 File	📀 Disc	- Network	Cap	oture Device			
Capture m	node			Desktop			-
Device S	Selection						
Your dis	play will be op	pened and played	in order to	o stream or save i	t.		
Options							
Desired	frame rate fo	r the capture.				12.00	0 f/s 🗘
Show mo	ore options				Pla	v <b>-</b>	Cancel
Show mo	ore options				Pla	y 👻	Cancel
Show mo	ore options				Pla	y 🔻 Enqueue Play	Cancel Alt+E Alt+P
Show mo	ore options				Pla	y 👻 Enqueue Play Stream	Cancel Alt+E Alt+P Alt+S

### 3. Click Next

Stream Output <b>irce</b> Set up media sources to stream			?	
This wizard will allow you to stream o	or convert your media for use locally, on yo	our private network, or on the Internet.	o continue.	
Source: screen:\\				
Source: screen:\\ Type: screen				

4. Click Add

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a com o acpac			?
tination Setup elect destinations to stream to			
+			
and destinations following the strength			ale ale e
Add destinations following the streami method used.	ng methods you need. Be sure to check with transcoding th	at the format is compatible	e with the
Add destinations following the streami method used.	ng methods you need. Be sure to check with transcoding th	at the format is compatible	with the
Add destinations following the streami method used.	ng methods you need. Be sure to check with transcoding th	at the format is compatible	a with the
Add destinations following the streami method used. New destination	ng methods you need. Be sure to check with transcoding th File	at the format is compatible	Add
Add destinations following the streami method used. New destination Display locally	ng methods you need. Be sure to check with transcoding th	at the format is compatible	e with the

5. Name the video file using your NUSNET ID with your preferred file location.

Ŧ	File 🗵	
This modu	le writes the transcoded stream to a file.	

6. Go to Transcoding settings.

🛓 Stream Output						?	$\times$
Transcoding Options Select and choose transcoding options							
Activate Transcoding					~		
Profile	Video -	H.264 + MP3 (M	IP4)		- (4	)× 🗉	3
				Back	Next	Can	cel

7. Set Codec to H-264, bitrate to 64kb/s and frame rate to 12fps. Click Save to return to screen in Step 6. Then click Next.

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hcapsulation	Video codec	Audio codec	Subtitles		
Video					
Keep original vi	deo track				
Encoding parame	eters Reso	olution Filters			
Codec	H-264				•
Bitrate				64 kb/s	\$
Quality				Not Used	\$
Frame Rate				12.00 fps	\$
Custom options					

8. Click Stream to start the screen recording.

Stream Output			?
ion Setup et up any additional options for streaming			
Miscellaneous Options			
Stream all elementary streams			
Generated stream output string			
:sout=#transcode{vcodec=h264,vb=64,fps=12,scale=Auto,acodec=n file{dst=C:\\Users\\Sunimal\\Desktop\\E0123456.mp4,no-overwrite}:no	pga,ab=128,channels=2,sa -sout-all :sout-keep	amplerate=44100,scod	ec=none}:
:sout=#transcode{vcodec=h264,vb=64,fps=12,scale=Auto,acodec=m file{dst=C:\Users\Sunimal\Desktop\E0123456.mp4,no-overwrite} :n	pga,ab = 128,channels = 2,sz -sout-all :sout-keep	mplerate=44100,scod	ec=none}:

9. Click the "Stop" icon on the VLC control panel to stop the screen recording.



### 12.2. MacOS

1. Open VLC media player.



2. File  $\rightarrow$  Open capture device.



3. Set Frames per Second to 12.0 and click Settings....

	Open Source
File	Disc Network Capture
	Screen
Scree	: Screen 1 (1440x900)
Frames per Secon	: 12.0 0
Subscreen le	: 0 C Subscreen Width: 0 C
Subscreen to	: 0 🗘 Subscreen Height: 0 🗘
	Follow the mouse
Capture Aud	MacBook Pro Microphone
Media Resource Locator (MRL)	
Stream output:	Settings
	Cancel Open

4. Name the video file using your NUSNET ID with your preferred file location. Set the **Transcoding options** as shown below. Click OK to go back to the screen shown in Step 3. Then click Open to start the screen recording.

Display the stream I	ocally						
File	/Users/je	vdjic/Desk	top/E01243	21.mp4		Browse	
	Dump	raw input					
Stream	Туре	HTTP		٥	TTL	1	
	Address				Port	1234	
Encapsulation Method	MPEG 4					٥	
Transcoding options							
Video h264				Bitrate	(kb/s) 64	1 🔽	
					Scale 1	<b>~</b>	
Audio mpga			0	Bitrate	(kb/s)	~	
				Ch	annels	~	
Stream Announcing							
SAP Announcemen	t			nnounceme	ent		
RTSP Announceme	nt		Export	SDP as file			
Channel Name							
SDP URL							

5. Click the "Stop" icon on the VLC control panel to stop the screen recording.



## 12.3. Linux

1. Open Capture Device



2. Set capture mode to "Desktop" and frame rate 12fps. Click Stream.



### 3. Click Next

😣 🗊 Stream	n Output
Source Set up mee	dia sources to stream
This wizar network, You shoul the "Next	rd will allow you to stream or convert your media for use locally, on your private or on the Internet. d start by checking that source matches what you want your input to be and then press " button to continue.
Source: Туре:	screen://
	Back Next Cancel

## 4. Click Add

😣 🗈 Stream Output				
Destination Setup Select destinations to stream to				
•				
Add destinations following the s that the format is compatible wi	treaming methods you need th the method used.	d. Be sure to che	eck with tra	nscoding
New destination	File		÷	Add
Display locally				
		Back	Next	Cancel

5. Name the video file using your NUSNET ID with your preferred file location.

😣 🗊 Stream Output	
Destination Setup Select destinations to stream to	
File 🗵	
This module writes the transcoded stream to a file.	
Filename /home/sunimalr/temp/vlc/E0123456.mp4	Browse
	Back Next Cancel

6. Go to Transcoding settings.

😣 🗉 Stream Output		
Transcoding Options Select and choose transcoding options		
Activate Transcoding		
Profile	Video - H.264 + MP3 (MP4)	= × 🕅 :
		•
	Back	Next Cancel

7. Set Codec to H-264, bitrate to 64kb/s and frame rate to 12fps. Click Save to return to screen in Step 6. Then click Next.

Profile edition	1	
Profile Name Video	- H.264 + MP3 (MP4)	
Encapsulation Vide	eo codec Audio codec Subtitles	
Video	ideo track	
Encoding parame	ters Resolution Filters	
Codec	H-264	•
Bitrate	64 kb/s	-
Quality	Not Used	-
Frame Rate	12.00 fps	÷
Custom options		
	Cancel Sav	e

8. Click Stream to start the screen recording.



9. Click the "Stop" icon on the VLC control panel to stop the screen recording.

00:17					
11	K I M	0.0 141	≣ C X		

# 12.4. Command Line Interface

You can also use VLC's command line interface to configure the recommended settings as shown.

```
vlc –
```

```
sout='#transcode{vcodec=h264,vb=64,scale=Auto,acodec=none,scodec=none}:file{dst=E12345.mp4,mux=mp4}'
-screen-fps=12 screen://
```