

# Russian Surfing Championship Live 3D Streaming

TOMSK, RUSSIA – VUNGTAU, VIETNAM – NOVEMBER 22, 2012 – Elecard Group, Triaxes Vision and Sisvel Technology will sponsor the Russian Surfing Championship 2012 that will take place in Vungtau, Vietnam on November 26-30, 2012. Live event streaming will be provided for free in 2D and glasses-free 3D formats over the Internet.

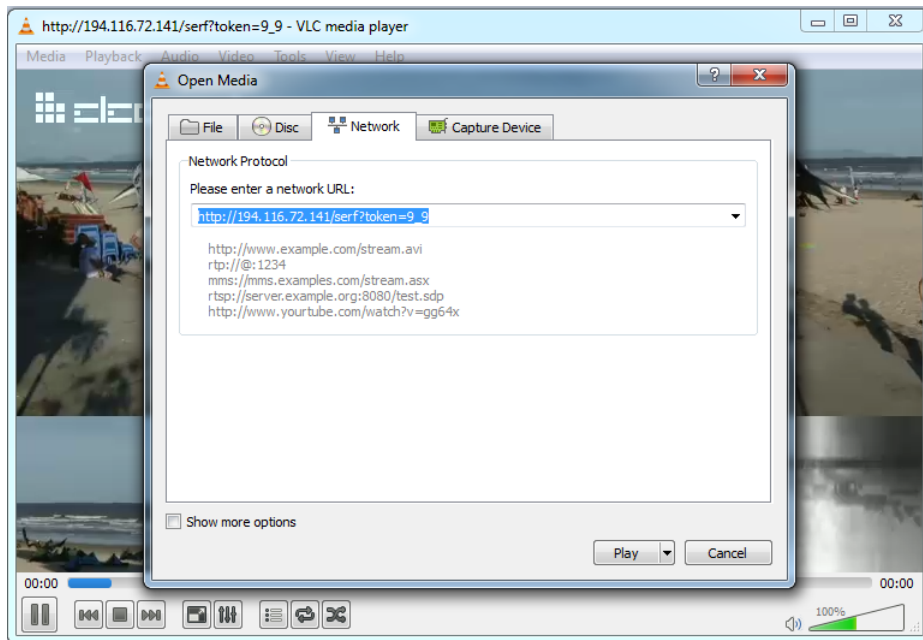
There are several broadcasting servers set in different regions of the world. The broadcasting is provided in [3DZ Tile](#) (see table 1 at the end of the document) and 2DZ-formats (see table 2 at the end of the document) using [HTTP](#) и [HLS](#) protocols (HTTP Live Streaming).

## 1. How to get the streaming if you have a conventional 2D display or a TV-set

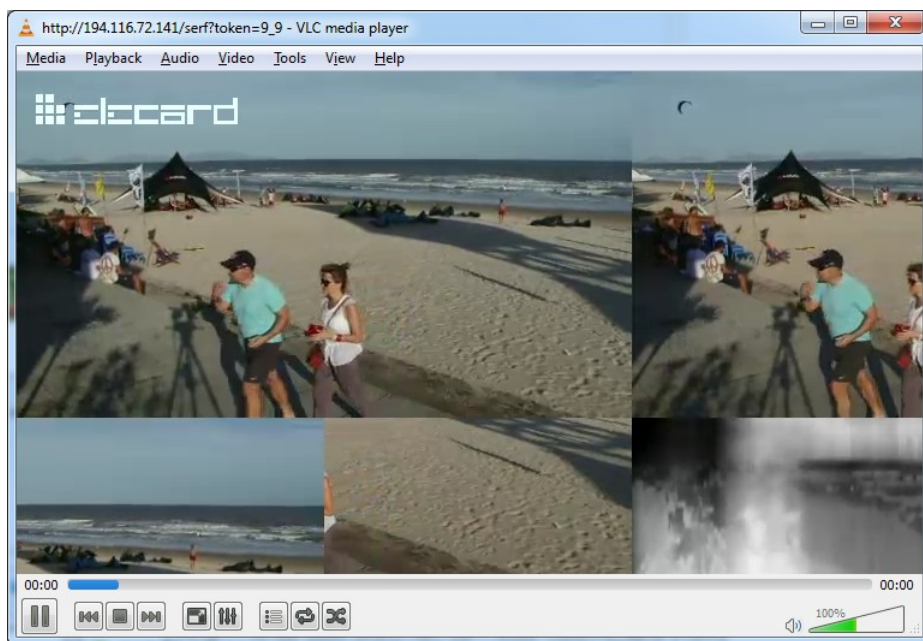
**Variant 1.** You can watch the Championship in 2D using your browser: <http://telebreeze.com/live>.

**Variant 2.** You can watch the event in VLC-player (supports HTTP and HLS).

- Open **Media >> Open network stream...** or press **Ctrl+N**, copy the link from the 1<sup>st</sup> table into the required field and press **Play**:



As a result you get 3DZ Tile:

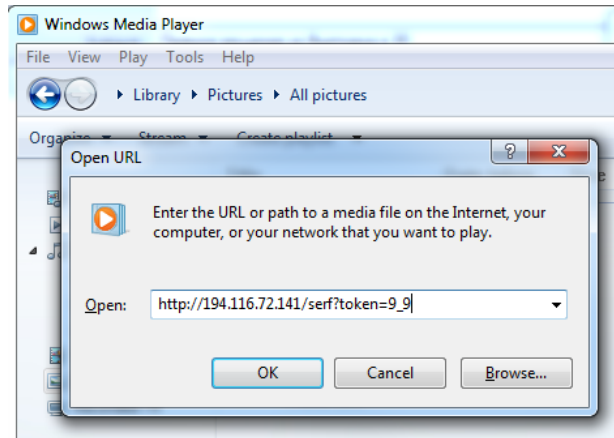


**3DZ Tile** is a universal format. You can get a 2D picture, a stereo side-by-side picture (left and right frames – for watching on 3D-glasses displays) and a 2DZ picture (for autostereoscopic displays).

The streaming contains the Crop Rectangle information, that is – the area that should be shown during the playback. VLC doesn't read this data so you can see the whole picture.

**Variant 3.** You can use Windows Media Player (supports only HTTP).

- Press **F10**, choose **File** from the main menu >> **Open URL...** or press **Ctrl+U**, insert the link from the 1<sup>st</sup> column of the 1<sup>st</sup> table into the **Open** field and press **OK**



Windows Media Player can read Crop Rectangle so you will see conventional 2D video.

## 2. Watching in a 3D glasses-free format

To see the 3D effect without special glasses you should receive the content in the 2DZ format so you could watch it on an autostereoscopic Dimenco display. To receive and output the video on a display we use Elecard iTelec STB 840 with 3D firmware (can receive HTTP and HLS).

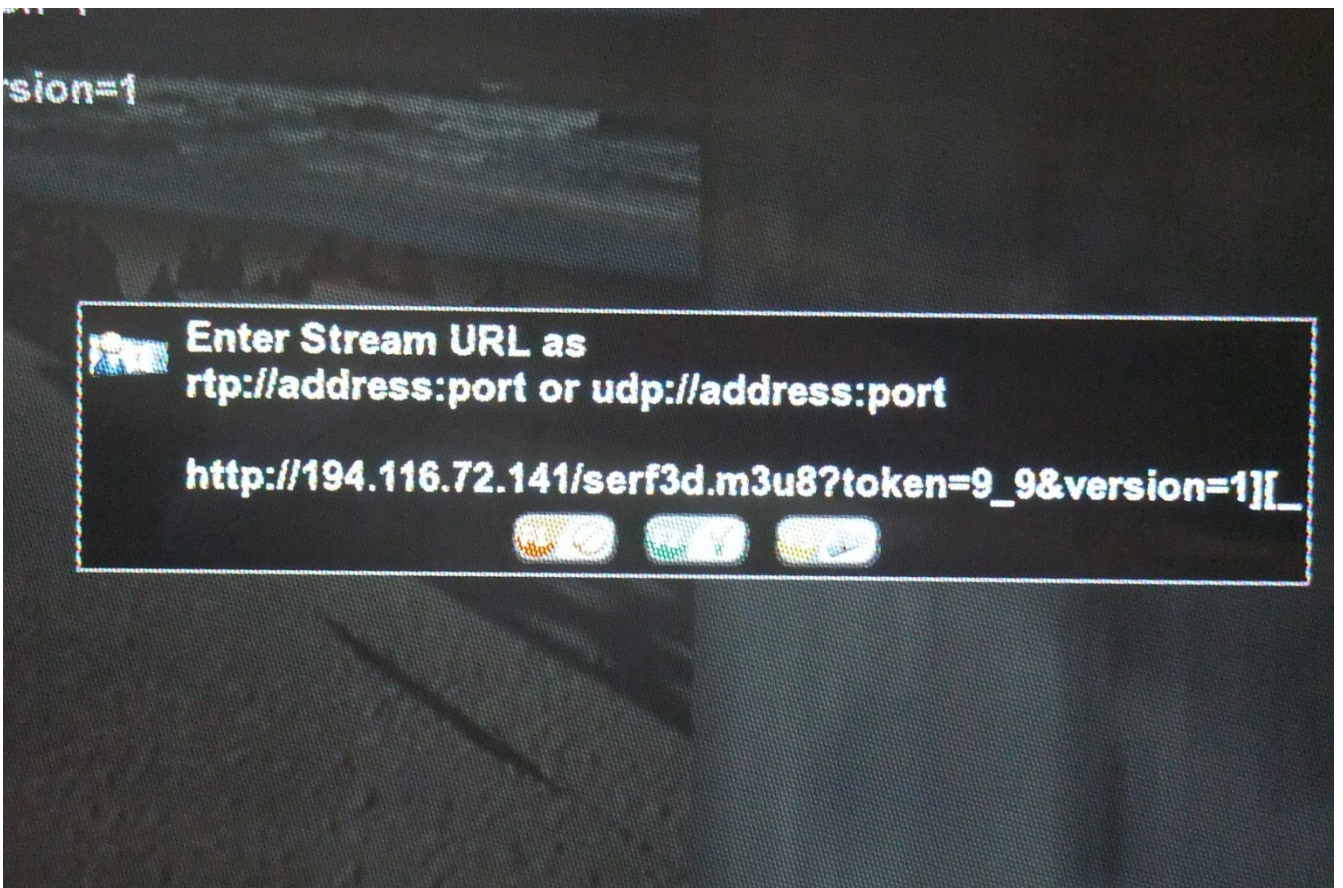
- **Open** the main menu (**Menu** button on the remote control)



- Select **Favorites**



- Input the address from the 2<sup>nd</sup> table, press **F2** on the remote control or **Enter** if the USB-keyboard is connected.



- When the menu disappears from the screen the picture will automatically switch to the 3D-mode.



**Table 1.** Links for receiving in [3DZ Tile](#) format:

HTTP-broadcasting	HLS-broadcasting
USA: <a href="http://184.22.45.25/serf?token=9_9">http://184.22.45.25/serf?token=9_9</a>	USA: <a href="http://184.22.45.25/serf.m3u8?token=9_9&amp;version=1">http://184.22.45.25/serf.m3u8?token=9_9&amp;version=1</a>
RUSSIA: <a href="http://telebreeze.dtdns.net/serf?token=9_9">http://telebreeze.dtdns.net/serf?token=9_9</a>	RUSSIA: <a href="http://telebreeze.dtdns.net/serf.m3u8?token=9_9&amp;version=1">http://telebreeze.dtdns.net/serf.m3u8?token=9_9&amp;version=1</a>
Hong-Kong: <a href="http://202.155.223.229/serf?token=9_9">http://202.155.223.229/serf?token=9_9</a>	Hong-Kong: <a href="http://202.155.223.229/serf.m3u8?token=9_9&amp;version=1">http://202.155.223.229/serf.m3u8?token=9_9&amp;version=1</a>
ITALY: <a href="http://194.116.72.141/serf?token=9_9">http://194.116.72.141/serf?token=9_9</a>	ITALY: <a href="http://194.116.72.141/serf.m3u8?token=9_9&amp;version=1">http://194.116.72.141/serf.m3u8?token=9_9&amp;version=1</a>
VIETNAM: <a href="http://101.99.28.227/serf?token=9_9">http://101.99.28.227/serf?token=9_9</a>	VIETNAM: <a href="http://101.99.28.227/serf.m3u8?token=9_9&amp;version=1">http://101.99.28.227/serf.m3u8?token=9_9&amp;version=1</a>

**Table 2.** Links for receiving in 2DZ format:

ПРЯМОЕ HTTP-ВЕЩАНИЕ	HLS-ВЕЩАНИЕ
USA: <a href="http://184.22.45.25/serf3d?token=9_9">http://184.22.45.25/serf3d?token=9_9</a>	USA: <a href="http://184.22.45.25/serf3d.m3u8?token=9_9&amp;version=1">http://184.22.45.25/serf3d.m3u8?token=9_9&amp;version=1</a>
RUSSIA: <a href="http://telebreeze.dtdns.net/serf3d?token=9_9">http://telebreeze.dtdns.net/serf3d?token=9_9</a>	RUSSIA: <a href="http://telebreeze.dtdns.net/serf3d.m3u8?token=9_9&amp;version=1">http://telebreeze.dtdns.net/serf3d.m3u8?token=9_9&amp;version=1</a>
Hong-Kong: <a href="http://202.155.223.229/serf3d?token=9_9">http://202.155.223.229/serf3d?token=9_9</a>	Hong-Kong: <a href="http://202.155.223.229/serf3d.m3u8?token=9_9&amp;version=1">http://202.155.223.229/serf3d.m3u8?token=9_9&amp;version=1</a>
ITALY: <a href="http://194.116.72.141/serf3d?token=9_9">http://194.116.72.141/serf3d?token=9_9</a>	ITALY: <a href="http://194.116.72.141/serf3d.m3u8?token=9_9&amp;version=1">http://194.116.72.141/serf3d.m3u8?token=9_9&amp;version=1</a>
VIETNAM: <a href="http://101.99.28.227/serf3d?token=9_9">http://101.99.28.227/serf3d?token=9_9</a>	VIETNAM: <a href="http://101.99.28.227/serf3d.m3u8?token=9_9&amp;version=1">http://101.99.28.227/serf3d.m3u8?token=9_9&amp;version=1</a>