



Blinkenwalls, Electronic Windows, and other "magical" portals

Liberating Telepresence from the Conference Room

strfry & zoff at ToxCon 2018 12.-14.10.2018



- Part 2 -

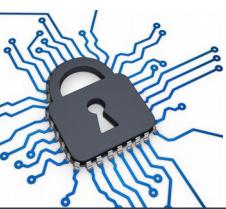


Blinkenwall

- What can you do if you have a large room and some LED Panels?

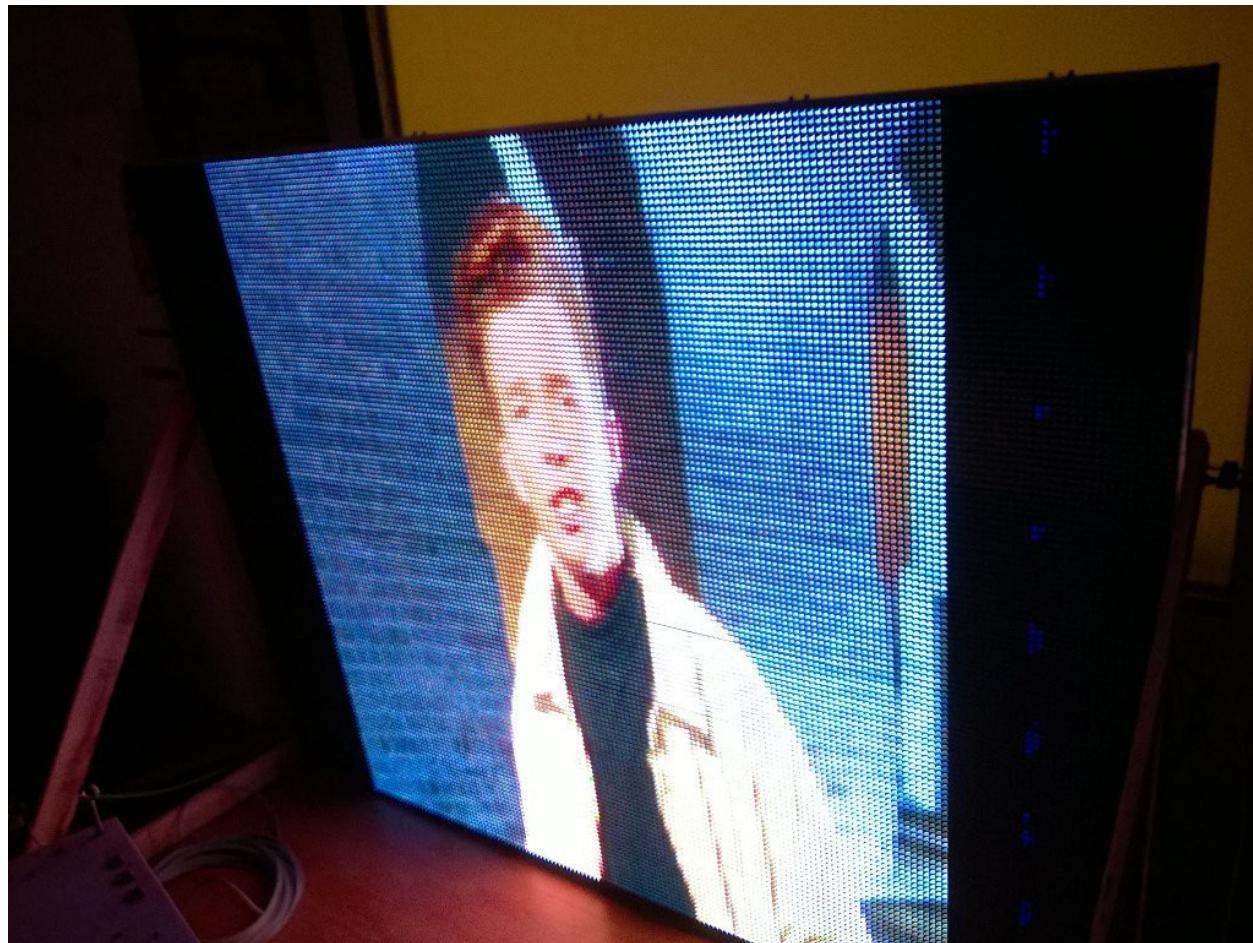


Blinkenwall



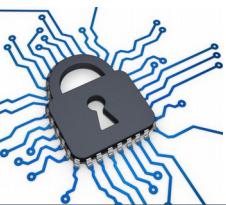
Blinkenwall

<https://metalab.at/wiki/Blinkenwall>



Blinkenwall

- I Can Has Tox on that?



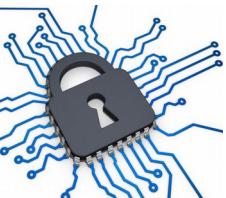
ToxBlinkenwall

<https://github.com/zoff99/ToxBlinkenwall>

- A nice little Software to transform your Huge LED Wall into a video conferencing system



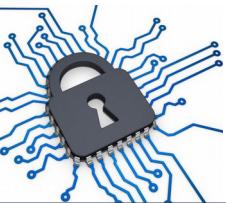
toxblinkenwall.c



ToxBlinkenwall

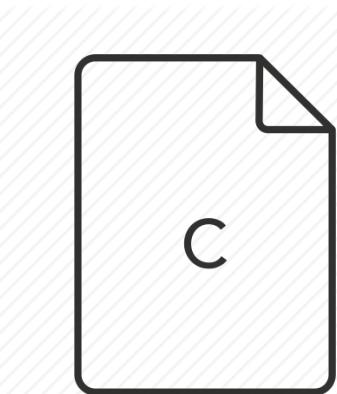


What else?



ToxPhone

<https://github.com/zoff99/ToxPhone>

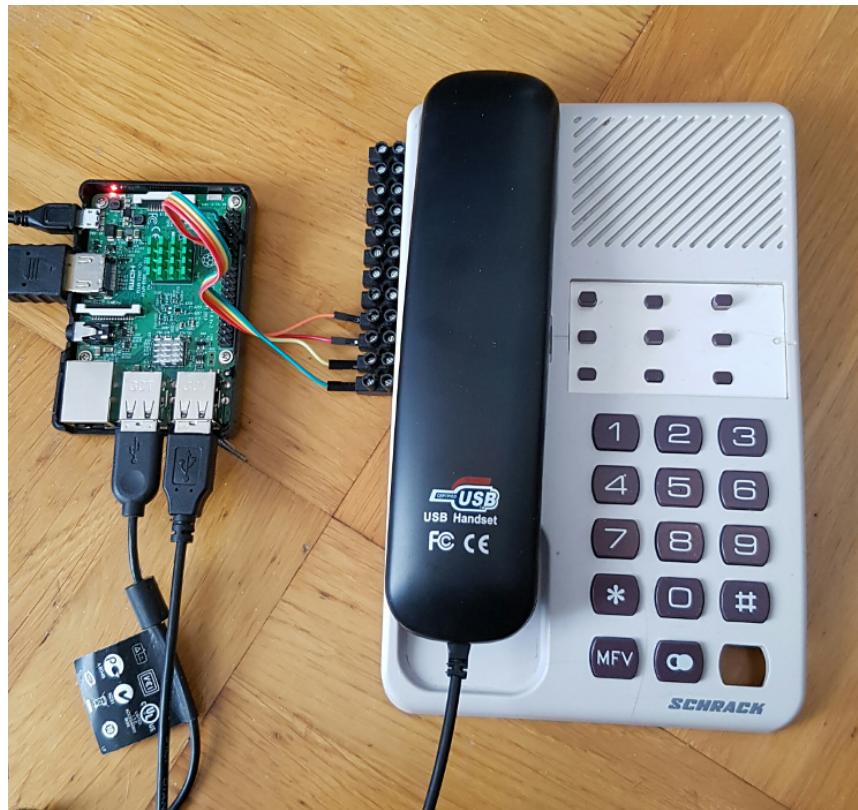


toxblinkenwall.c



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ToxPhone v1.0



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ToxPhone v1.0

Hardware

Component	Price [€]
Raspberry Pi 3 Model B	34.90
Raspberry Pi Universal Power Supply	18.00
Samsung Micro SD Card 16GB	15.00
some old Deskphone - used	5.00
Raspberry Pi Camera Module V2	28.00
Flexcable 30 cm for Raspberry Pi Camera	5.00
USB Sound Device DA-70772	10.00
3D printed parts	1.00
Screws, Tape, etc.	5.00
Raspberry Pi CPU cooler	5.00
Sum	126.90



ToxPhone updates ...

some hardware updates made:

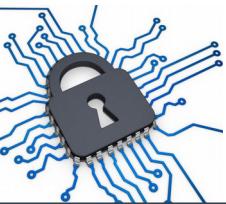
- make a 3D printable case, to make it reproducible
- use a keypad, to make it reproducible
- use Python script to check the keys

some software updates made:

- openGL acceleration for Video output
- H264 Video codec for better Video quality



ToxPhone v2.0



ToxPhone v2.0

Hardware

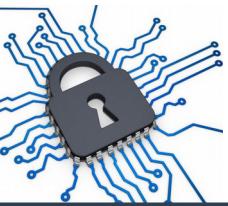
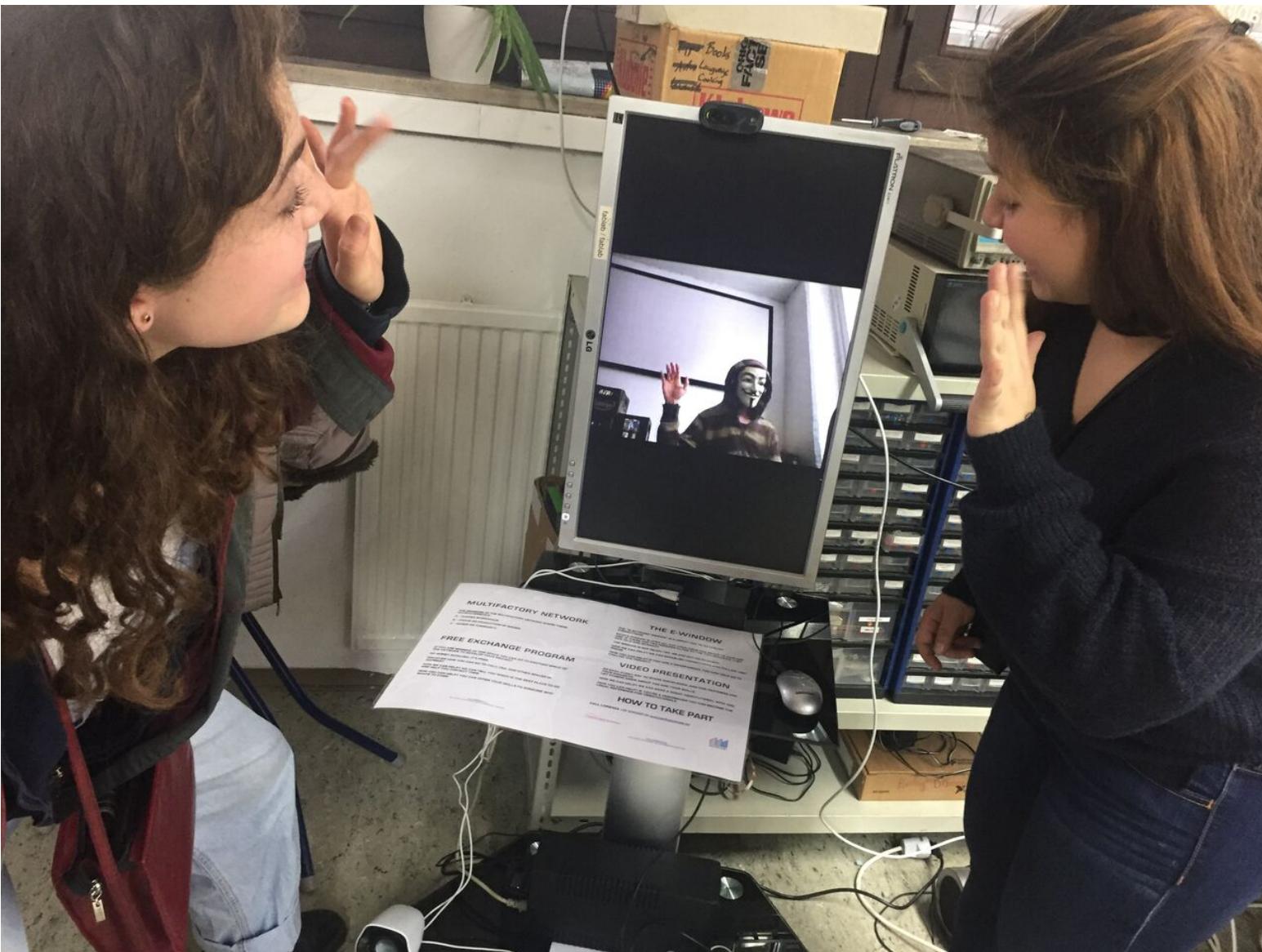
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some old Deskphone - used	5.00
Raspberry Pi Camera Module V2	28.00
Flexcable 30 cm for Raspberry Pi Camera	5.00
USB Sound Device DA-70772	10.00
3D printed parts	6.18
Matrix Keyboard	7.00
Screws, Tape, etc.	8.00
Raspberry Pi CPU cooler	5.00
Sum	142.08



getting in touch ...

- Github
<https://github.com/teilWERK>
- Email
mail@strfry.org zoff@zoff.cc
- ToxID
D504A161AEACFE9E401A289CE51717FC7C8BDF378EE6D721FBC47B07
63605F763919CD5F0CD2





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