Therma IMAGINO

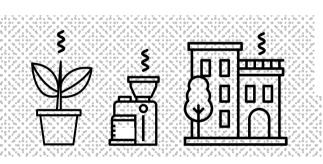
Low Tech Canvas Against High Tech Surveillance

Use our wearable guides to become a digital explorer of your city. See your neighborhood in a new light while exploring issues around facial recognition, voice identification, gait recognition, thermal imaging, and Wi-Fi tracking.

Be careful: becoming an explorer is exciting but at times jarring. You might learn more about your world than you want. Now take this canvas to the streets, bring your curiosity, watch, listen, and play. Try out some of our tactics and strategies to resist data collection in public space and co-design your neighborhood.

Getting a lay of the land

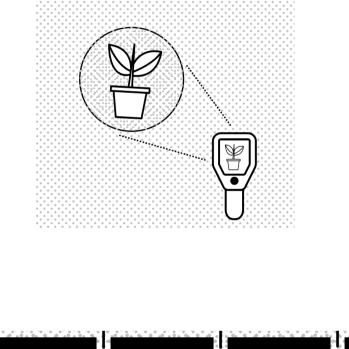
Thermal imaging is a relatively new sighting in urban areas and might not yet be used in your habitat. In light of COVID-19 technology deployment is changing rapidly so it is recommended to include this knowledge and skills in your smart technology survival toolbox.

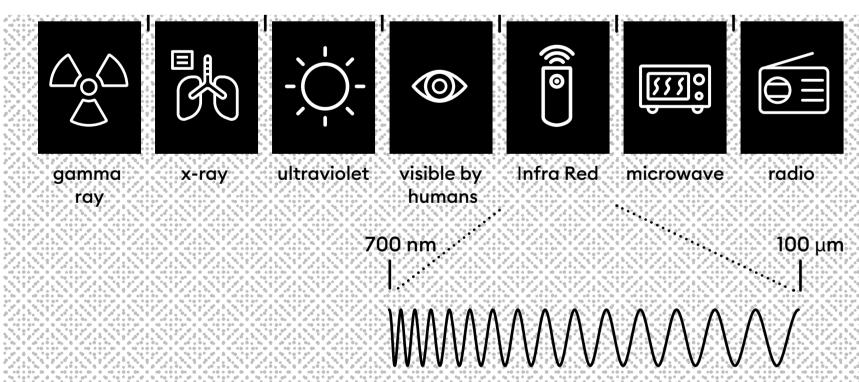


1. How computers see in the dark

1. All things, from plants and people to buildings and machines, produce a small form of radiation. 2. Thermal imaging cameras record the environment. 3. This radiation is captured in what is called the long-infrared range of the electromagnetic spectrum. Thermal imaging makes it possible to see people in the dark.

Since the first outbreak of SARS it has been used at airports to make 'visible' the 'invisible', monitoring for the arrival of sick people.





4. An images of that radiation is known as a 'thermogram'. This works particularly well on warm bodies such as people and animals, as these clearly stand out against cooler backgrounds.

Navigating privacy in public spaces

There are a number of ways to decrease your thermo footprint. Tactics range from putting a fishbowl on your head to hiding behind a rock. While these tactics might be effective, they are not so practical. Explore our

more practical tactics.

3. COVID-19 and fever detection:

temperature.

body temprature.

But a challenge is that thermal

and doesn't measure inner-body

This makes it an imprecise method

4. Looking through the

eye of thermal camera

Write down here

Go to your app store and install a

thermal camera on your phone. We have tried the Night Vision

Download the app, take your

phone and walk around outside

to see the thermoprint of your

How does it feel to invisibly

capture thermal images of

Thermal Camera.

neighborhood.

imaging measures the body

a false sense of security

companies alike have been racing temperature from the outside

purposes, now has sales increasing for scanning crowds, and checking

Since the start of the COVID-19

to adapt existing technologies

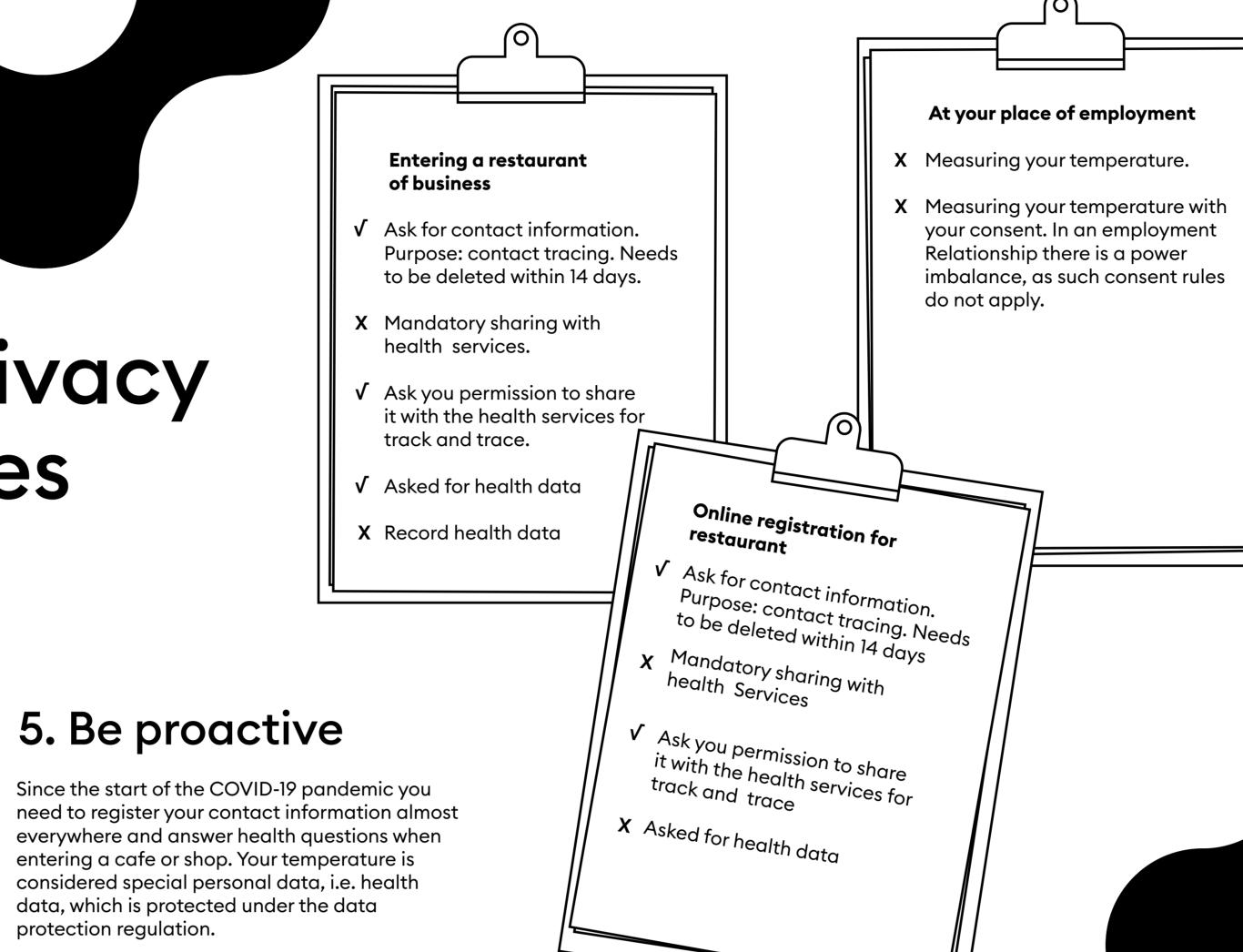
imaging, which is mostly known

to have been used for military

by a staggering 700%.

to 'mitigating' this crisis. Thermal

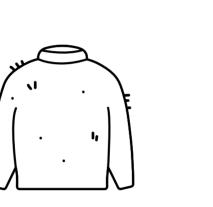
pandemic governments and



Your data in times of crisis ...

7. Practical camouflage tips

Thermal survival techniques range from









Covering your body with a thick wool jumper.

Only going outside in the rain.

Avoid open spaces and skylines by day or night.

Co-designing your

an airport.

digital neighborhood

Using an emergency blanket or a COVID-19 protection visor

is far more practical than hiding behind a rock, but at times

they can work too well. Wrapped in an emergency blanket,

your body temperature appears so cold that you blend in with

the background. This is a great tactic if you do not want to be

spotted by a drone with thermal recognition, but might raise

flags if you are passing through a thermal imaging camera at

For long-term more structural solutions against the collection

engage in discussion around the co-designing of your digital

neighborhood. Follow the below instructions and get started!

of your body temperature in the wild, it is important to

Covering your face with COVID-19 face shield.

6. Wearable privacy

Instruction: Follow the pattern and cut out a hole in the middle of the canvas.

protection regulation.

According to the Dutch data protection

they store this, and who has access.

authority, the rules on the clipboards apply to

your personal data. Next time you are asked to

give data, be proactive and ask how and where

By putting your head through this hole, your canvas becomes a protective cover that shields your body from unwanted detection and surveillance



8. Body temperature check

Not Allowed!

It is not allowed to measure an employees temperature at work, or any medical data for that sake. This also applied to any third party companies you visit in relation to your work. For example if you deliver goods, products or parcels nor your employer nor the client can ask you for your health data.

What to do when it happens against - Contact your Works Council (OR) and the data protection officer of your organization. - If this doesn't help file a complaint with your data protection agency.

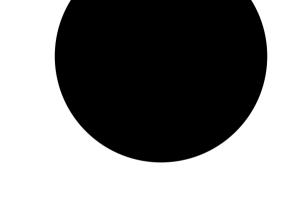
Customer

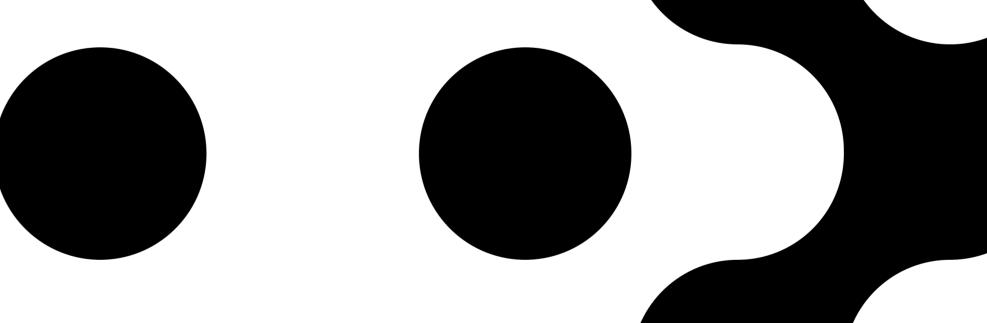
Only allowed when You consent AND - if the temperature is NOT recorded and stored

What to do when it happens against your consent - Ask what they do with the data

- If it is recorded and stored you

can file a complaint with your local data protection agency





9. Be critical

Depending on the COVID-19 crisis level in your country, the government or municipality might scale up or scale down specific measures. Unfortunately there is a strong belief in technology.

Keep your eye out for any mention of emergency legislation and new measures that are being proposed. Not only in the news, but also in the responses of the human and digital rights community in your area.

10. Join a community

The use of thermal imaging is a complex issue. Don't go at it alone, find a community!

Pro spotter tip: Find your local digital rights group or crypto party and join their mailing list or meet ups. Unsure where to find them? Search for 'human rights and thermal imaging' 'NGO + digital rights + your country'

You'll probably find groups like Bits of Freedom, EDRi, Liberty, Ada Lovelace Institute, Al Now, Article 19, La Quadrature du Net and Data and Society.

2. Did you know its used too ...

Test if you are in love. When you are

in love your temperature could increase



Spot illegal indoor cannabis farms At airports to see if travelers coming into the country have a fever.

maintenance, and optimization. In the US military to quickly take the temperature of soldiers going into

For drone warfare, when detecting

human movement at a target location.

Support those fighting for your

rights. Donate to your local digital rights or human rights group.

Produced by

datawear.

www.datawear.it

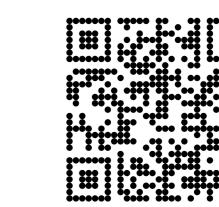
Fieke Jansen, Data Justice Lab in collaboration with designcollective idiotes with support fro Designlab Digital City, Amsterdam.

Licence CC 4.0 Share and attribute alike

Icons from the Noun Project

Supported by

moz://a * City of * Amsterdam Hivos oba idiotes



Version Sept 2021 ENG V.04