

Protection  
you barely  
notice.



vivi

THi





## **/ protect and perform**

As a healthcare professional, you want to protect your patient and yourself against hospital acquired infections. But protection comes with barriers which feel inconvenient at times. In the operating room, you have to stay sharp and focused - sometimes for hours.

Our mission is to be the first choice for surgeons and their teams who want more protection while maintaining their personal effectiveness in the operating room.





## **/ ViVi® - designed for high performance**

With the design of ViVi®, we put all the focus on the surgeon and his or her tasks at hand. Shape and materials work together to deliver the best support for the professional in a highly demanding environment.

The structure of ViVi® follows the human body and the airflow surrounding it. ViVi® curves around your head, creating a daring form that has no straight lines and is reduced to the bare essentials - everything serves a concrete purpose.

The strength of ViVi's design is this marriage of form and function into an uncompromising whole that reflects the purpose of the work that will be accomplished with it.



## / ViVi® - a new generation

ViVi's roots lie in valuable user insights gathered from our successful Oxygen system. We challenged everything, listened carefully and literally started from scratch.

The ViVi helmet sets a new standard on many levels. Its carbon fiber reinforced frame provides for a resilient, and with **370g (0.82 lb)**, incredible light structure.

The meticulously crafted air intake and exhaust system is the most quiet on the market, it provides not only high airflow for cooling but more important, exceptionally high air exchange rates inside your suit.

Cooling is nice, but do you want to breathe your own exhaled air? A large field of vision, hands free gesture control, activity sensing and **support for action cams** complete the most innovative solution currently available.

### / gesture control



Keep your hands at the patient and just nod your head to change fan speed! Alternatively, **motion sensing technology** recognizes your physical activity level and automatically adjusts fan speed.

### / quiet



Imagine having a walk in the woods, a **slight breeze** blows through the leaves. That's the level of noise you will experience inside the ViVi® helmet.

### / vision



A large field of vision is everything. The ViVi® helmet provides for a 190 degree distraction free view.



### / lightweight



There is nothing like carbon fiber (CFRP). A mere **370g (0.82 lb)** is the new benchmark for a surgical helmet. You might not even notice that there is something on your head.

### / cool & comfortable



The patented **2-fan system** helps to remove filtered waste air from the suit, directing it away from the patient. A high performance air intake eliminates internal recirculation of waste air.

### / perfect balance



Nothing pulls on your neck, the **virtual center of mass** is inside your head.

Every time  
you touch your  
suit, you risk to  
contaminate your  
gloves. Not anymore!

## **/ gesture control**

Nod your head to adjust the fan speed. Keep your hands at the patient! ViVi uses motion sensing technology to recognize gestures.

## **/ activity sensing**

The more you move, the hotter it gets. Not anymore! ViVi uses activity sensing to automatically adjust fan speed to your level of physical activity.





## **/ cool & comfortable**

Wearing a full body suit can cause hot and humid waste air to get trapped in your suit. To keep your body cool, ViVi's patented 2-fan system pushes waste air through a filter out of the suit, making room for fresh breathing air. Air exchange rates in excess of 40 times/minute enable you not only to feel cool, but breath 100% fresh air. Stay focussed and be effective!

### **/ fresh air nozzle**

Two air nozzles direct fresh air towards the nose and mouth. The split-nozzle design avoids drying out your eyes while creating a gentle air flow all around your head.



### **/ fresh air intake**

The unique aerodynamic design is optimized for maximum airflow without re-circulation of waste air. The air duct is easy to clean.

### **/ waste air collection**

Two ports collect humid and CO<sub>2</sub> enriched waste air and help to remove it from the suit.

### **/ waste air exhaust**

Waste air is filtered before leaving the suit at the back, away from your patient.



## **/ a reliable barrier**

Our hood and togas are intended to help protect both the patient and the healthcare professional from the transfer of microorganisms, body fluids, and particulate material. The hood is a

stand-alone head cover that may be worn with a separate surgical gown, while the toga is a one-piece head and body cover.

- designed to meet AAMI Level 4 and EN 13795
- breathable viral barrier
- one-size-fits-all
- 105g (0.23 lb)
- single use/sterile





## / components



### /helmet

weight	370g (0.81 lb)
airflow (max)	310 lt/min (10.9 cfm)
fans	2 (various speeds)
battery life*	minimum 5h30min
control	automatic + gesture
input voltage	12.4 - 16.4 V (DC)
ingress protection	IPX0
dimension	332x222x336 mm
headband	50-69 cm (19.5 - 27.2 in)

\*... with a new, 100% charged battery



### / battery pack

type	Li-Ion
weight	250g (0.55 lb)
voltage	14.8 V (DC)
capacity	43.6 Wh
dimension	80x30x103 mm

### / charger

adaptor input	100 - 240 V 50 - 60 Hz 1.7 A; 70 W
charger input	24 V (DC); 2.9 A
dimension	200x130x40 mm
weight (w/adaptor)	760 g (1.68 lb)

## **/ how to buy**



To find a distributor in your area visit our website:

**[www.thigmbh.at](http://www.thigmbh.at)**

<b>80100</b>	ViVi Helmet
<b>80200</b>	ViVi Hood (20 per case)
<b>80220</b>	ViVi Toga XL-XXL (20 per case)
<b>80221</b>	ViVi Toga M-L (20 per case)
<b>80222</b>	ViVi Toga XXS-S (20 per case)
<b>60401</b>	Battery Pack
<b>60500</b>	Battery Charger
<b>50785</b>	Replacement Comfort Pads (1 set)

## **/ about THI**

THI is a team of passionate, driven healthcare professionals and product designers.

Since 2009, we have been committed to continually raise the bar in terms of comfort and protection of personal infection prevention systems, dedicated to the development of innovative surgical helmets and gowns.





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