

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 fibre reinforced frame provides for a resilient and incredibly light structure (weighing only **370g (0.82 lb)**). The meticulously crafted air intake and exhaust system is the quietest on the market, it provides not only high airflow for cooling but more importantly, exceptionally high air exchange rates inside your suit. Cooling is nice, but do you want to breath 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 focused 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 CO₂ 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.



/ ViVi HPL - High Power Light Helmet

Visualise climbing to the top of a mountain, finally nothing is cluttering your view. You can see everything clearly and focussed.

ViVi HPL helmet gives you the same experience in your operating field.

THI sets a new milestone with its new ViVi HPL, the most powerful light helmet on the market, with an exceptional light intensity of over 100.000 Lux.

ViVi HPL has been designed to maximise your performance and offer superior comfort while enhancing patient care delivery.



vivi

/ ViVi HPL- A new light era

Visual acuity in the operating room is vital both for patient safety and for the staff comfort.

ViVi HPL increases your visibility and mitigates the impact of visual fatigue in the OR.

The high power light is based on the latest LED technologies. It provides excellent shadow-free illumination of the surgical field, great shade lighting, perfect eye axiality, and depth of field. The LED Light is highly energy-efficient and provides a constant Light Output.

The light is ergonomically adjustable to user needs. The over the eye positioning of the light provides excellent visual access, even in the most demanding surgeries, such as MIS.

/ Powerful LED light



The exceptionally high light intensity of 100.000 Lux, makes ViVi the foremost surgical light helmet on the market.

/ Wide range of light motion



Adjust the lever to variate the direction of the light from 0 degrees to -55 degrees. The wide range of motion makes ViVi ideal for every kind of surgery.



/ Highly energy efficient



ViVi 's LED light provides the best illuminance performance with the lowest battery consumption.

/ Crystal Clear Vision



The over the eye positioning of the light allows you to have free access to your visual field, better shade lighting, perfect eye axiality and depth of field.

/ A reliable barrier

Our hoods and togas help to protect the patient and the healthcare professional from the transfer of microorganisms, body fluids, and particulate material. Our surgical gowns are in compliance with AMMI Level 4 and EN 13795 requirements.

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

/ New ViVi HFD hood – for higher filtration

Our new HFD hood is a breathable protection against body fluids and high viral barrier. It is composed of a Sub-micron filter with a proven viral and bacterial filtration efficiency.

The patented shape with chest straps allows an easy, quick, and sterile Self-Donning.

The polycarbonate lens is impact-resistant, anti-glare, and offers UV protection.



/ Surgical gowns

/ Hood

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



/Zippered toga

- AAMI Level 4 protection
- EN 13795 'high performance'
- breathable viral barrier
- available in 3 sizes
- 330g (0.73 lb)
- single use/sterile



/ High filtration hood

- AMMI Level 4 protection and EN 13795
- Breathable viral barrier
- Sub-micron filter
- Viral Filtration Efficiency of > 99.4% (Test Standard ASTM F2101)
- Bacterial filtration efficiency of > 99.8% (Test Standard ASTM F2101)
- New patented shape for Self Donning
- Single-use/sterile
- One size fits all
- Polycarbonate lens with anti-glare and UV protection.
- Weight 90g (0,198 Lb)



/ Components



/ Vivi helmet

weight	370g (0.81 lb)
airflow (max)	310 lt/min (10.9 cfm)
fans	2 (various speeds)
battery life*	up to 10 hours
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



/ Vivi helmet HPL Headlight

weight	400g
airflow (max)	310 lt7min (10.9 cfm)
fans	2 (various speeds)
battery life*	up to 5 hours
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)
LED light intensity	> 100.000 Lux

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

/ white battery system



/ 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; 70W
charger input	24 V (DC); 2.9 mm
dimension	200x130x40 mm
weight (w/adaptor)	760 g (1.68 lb)

/ black battery system



/ battery pack

type	Li-Ion Battery
weight	230 g
voltage	14.4 V
capacity	49,87 Wh
dimension	85.4 x 77.6 x 23 mm

/ charger

adaptor input	100-240 VAC 50-60 Hz, 1.7 A : 65 W
charger input	19-26V (DC): 3.4 A max
dimension	151 x 90 x 43 mm
weight (w/adaptor)	198g
Led display of charging state	✓

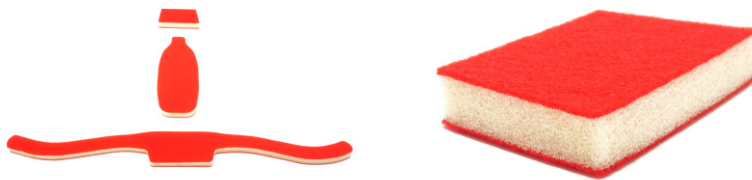
/ accessories

/ ViVi helmet rack



ViVi Rack holds your ViVi, ensures the longevity, performance, and safety of the helmet. The Rack can be utilised in various settings using the adhesive panel. The frame is perfectly designed for quick and easy movement.

/ ViVi soft pads



ViVi Soft Pads can easily be replaced on ViVi Helmet for improved hygiene. Their thick and extra soft memory foam provides superior comfort and pressure dissipation across the helmet. A high-quality skin-friendly and biocompatible flannel velvet cover the core material for heat and moisture management.

/ how to buy



To find a distributor in your area visit our website:

www.thigmbh.at

80100 ViVi® Helmet

80130 Vivi® HPL Headlight Helmet

80200 ViVi® Hood (20 per case)

80301 Vivi® Hood HFD (20 per case)

80220 ViVi® Toga XL-XXL (20 per case)

80221 ViVi® Toga M-L (20 per case)

80222 ViVi® Toga XXS-S (20 per case)

60401 Battery Pack

60402 Battery Pack Black

60403 Battery Holster black

60500 Battery Charger White 4-bay

60501 Battery Charger Black 1-bay

30602 Power Cable EU for 60501

30603 Power Cable UK for 60501

30604 Power Cable AU for 60501

30605 Power Cable US for 60501

50786 Vivi® Soft Pads (1 set)

60194 ViVi Helmet Rack

/ 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.





Total Healthcare Innovation

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