BioMed [[[heal]]]]

**BioMed Jena GmbH** - Biomedical Technology -

## PRODUCT CATALOGUE **ehit**USB

2017/2018



The **eHIT**<sup>USB</sup> system has been developed to effectively perform vHIT test including detailed quantitative analysis of all six semicircular canals.

The system includes specially designed goggles with fast, high resolution 200Hz cameras and innovative 800Hz 3-D Innertial Motion Sensors (IMS). This provides exceptional eye and head movement tracking. Thanks to the double camera registration system, it is possible to quickly change the recorded eye without removing the goggles.

With the new **eHIT**<sup>USB</sup> system perofrming of vHIT test is easy like never before. The goggles has been optimized to provide robustness for artifacts when testing the patient both in horizontal and vertical planes. The correct responses can be registered without excessive efort and discomfort for the patient.

Plane	Head Movement	Semicircular Canal
horizontal	leftward	left
	rightward	right
LARP	to the front	left anterior
	to the back	right posterior
RALP	to the front	right anterior
	to the back	left posterior





The results are shown on graphic diagrams in realtime. There is a possibility of individual analysis and removal of each impulse. It is also possible, if necessary, to record more impulses without repeating the whole test. The gain is calculated automatically.

Additional to the gain and movement display, the **eHIT**<sup>USB</sup>software offers a 3D-depiction of the eye response and a six-plane canalogram.



With the additional mascara option patients with eye make-up on can be tested without removing it and still feel comfortable.



## Real world **3D Calibration**

Thanks to our new innovative sensor technology we are now able to offer you an innovative real world calibration!



Imoprtant features of **eHIT<sup>USB</sup>:** 

- vHIT test in all six planes of semicircular canals
- Two fast 200Hz high-resolution cameras
- Mask suitable for adult and pediatric patients
- Embedded 800 Hz 3-D Inertial Motion Sensors
- Automatic eye centering
- Automatic 3D Real World calibration
- Easy to use, multilingual user interface
- Possibility of upgrade with VNG, SVV, DVA and Frenzel modules
- PC interface: USB 2.0, replaceable cables
- Foot switch
- Replaceable cushion and foam









## **BioMed Jena GmbH**

Am Egelsee 1 07743 Jena Germany Tel.: +49 3641 356900 Fax: +49 3641 356909 Mail: info@biomed-jena.de



