

**VF405**

*Video Frenzel*



*- For superior observation of  
eye movements*



**Interacoustics®**

leading diagnostic solutions

# VF405

## Video Frenzel

# Superior nystagmus observation

VF405 provides ideal conditions for fixation-free observation of eye movements during

- Spontaneous testing
- Positional and Dix-Hallpike testing
- Head Impulse testing
- User defined testing

### The Combi Goggle

The VF405 system incorporates the industry's leading goggle design, also known from the clinical VO425 FireWire® VNG systems.

- Light weight with easy fitting magnetic cover
- Built in fixation light
- Fits all patients regardless of skull size
- Disposable foam cushions allow a sanitary solution
- Comfortable
- Completely light tight fit
- One or two cameras – upgrade as you like

### The Camera

The FireWire® cameras connect directly to a laptop or a desktop computer. Superior image quality from infra red illumination and high resolution cameras with focus adjustment.

- Clear detection of torsional movement
- IEEE 1394a FireWire® standard

### Video Recording

The VF405 displays eye images in partial or full screen mode; simply double-click on the image to toggle between image sizes.

- Use the pre-labeled tests or create your own test names
- Select high resolution recording for extremely detailed images
- Remote controlled video recording and fixation light with footswitch
- Video files are stored in AVI file format

### Video Player

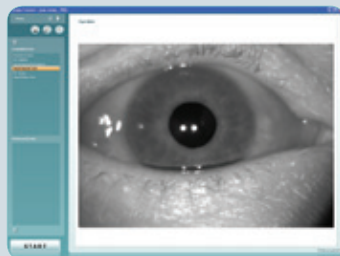
- Advanced Video Player with playback at variable speed down to one picture at a time – forwards and backwards
- Assign "Abnormal" mark to sessions with abnormal findings



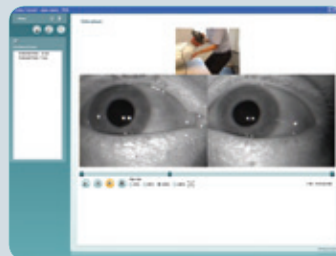
### External Situation Video

The VF405 includes an external camera for recording of sound and video images from the examination.

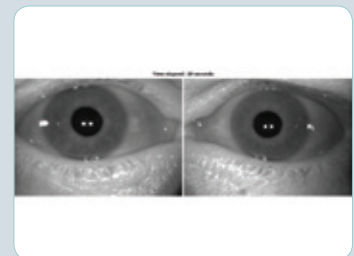
- Synchronized sound, eye image video and external situation video.



Eye view mode, one camera



Synchronized videos of eye movements and patient movements

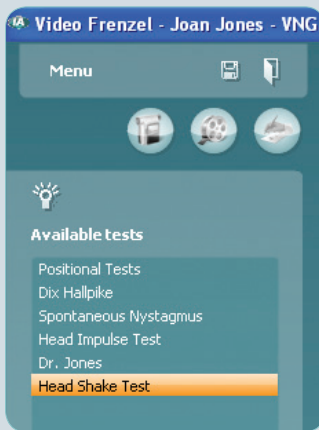


Full screen image with elapsed time indication

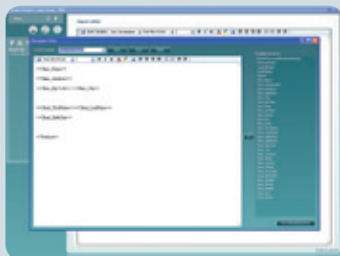
## The Software

The VF405 is an independent software module operated from the OtoAccess™ patient database. The user interface is designed for maximum user satisfaction with intuitive procedures and a supportive design.

- View all sessions for every patient in the database
- Multi-language interface
- Report editor with word processing function



Available tests panel



Template editor with keywords and phrases

## VF405

- Synchronized replay of situation video, eye image(s), and sound
- Light tight goggles with sanitary, disposable face cushions
- Footswitch operated remote control
- Integrated Patient Database

Eye view mode, two cameras



USB footswitch



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# Technical Specifications

<b>Camera:</b>	IEEE1394 FireWire®	
<b>Resolution:</b>	640 x 240 Pixels	
<b>Images:</b>	25 or 50 images per second	
<b>Safety Standards:</b>	IEC 60601-1 (General Safety), IEC 60601-1-1 (System Safety), IEC 60601-1-2 (EMC)	
<b>Physical Specifications:</b>	Goggle Weight with one camera:	305g / 0.7 lbs. (occluded view)
	Goggle Weight with two cameras:	385g / 0.8 lbs. (occluded view)
	Dispensing box with 24 pcs. of	302 x 216 x 131mm / 11.9 x 8.5 x 5.2 inch.
	Disposable Goggle Foam pads:	(L x W x H)
<b>System requirements hardware:</b>	Intel Core 2 Duo processor 1.8 GHz or better. Minimum 1 GB of RAM. Laptop PC: One 34 mm PCExpressCard slot available. 3 USB ports available. Monitor resolution 1024 x 768 or better	
<b>System requirements software:</b>	Windows®XP SP2 Operating System. Microsoft .Net 2.0 Framework. Windows Installer 3.x.	

## Related products:

- VO425



Feature overview*	VF405m	VF405b
<b>OtoAccess patient database</b>	x	x
<b>Toggle full screen display</b>	x	x
<b>Video storage</b>	x	x
<b>Video play back</b>	x	x
<b>Elapsed test time</b>	x	x
<b>Report editor</b>	x	x
<b>Sound recording</b>	x	x
<b>Test design template</b>	x	x
<b>Footswitch operated video capture</b>	x	x
<b>Footswitch operated fixation light</b>	x	x
<b>Toggle one camera/two cameras</b>		x
<b>SW controlled Fixation light</b>	x	x
<b>External camera enabled</b>	x	x
<b>Toggle picture quality high/normal</b>	x	x

\* Licensed features with each configuration

Included parts	VF405m	VF405b
<b>Camera FireWire complete</b>	1	2
<b>Combi Mask VOG</b>	1	1
<b>FireWire SDM express card 2P</b>	1	1
<b>Power supply 10W</b>	1	1
<b>FireWire PCI-Card IEEE1394</b>	1	1
<b>EX-10000 Express card kit</b>	1	1
<b>Cable fastener</b>	3	3
<b>Disposable goggle foam pads</b>	1	1
<b>Foot pedal VEC</b>	1	1
<b>Screwdriver SE 1.5x60mm 105</b>	1	1
<b>Web camera w. microphone</b>	1	1
<b>Installation sheet</b>	1	1
<b>Combined CE &amp; Operation Manual</b>	1	1
<b>Installation CD</b>	1	1

## Sales and service in your area:

Read more here:  
[www.interacoustics-us.com/us/VNG](http://www.interacoustics-us.com/us/VNG)

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