

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 VN415/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-labelled 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

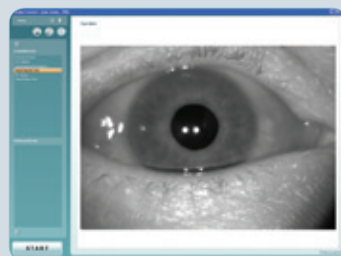
- Advanced Video Player with playback at variable speed down to one picture at a time – forwards and backwards
- Assign "Abnormal" mark to sessions with abnormal findings



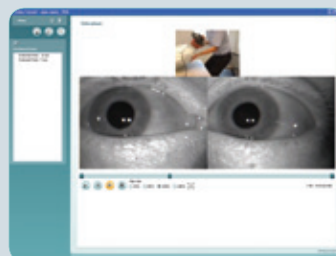
External Situation Video

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

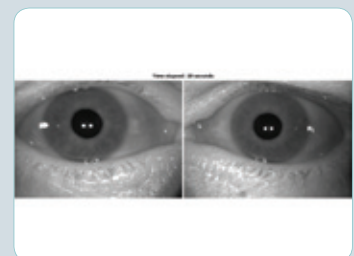
- Synchronized sound, eye image video and external situation video.



Eye view mode, one camera



Synchronized videos of eye movements and patient movements

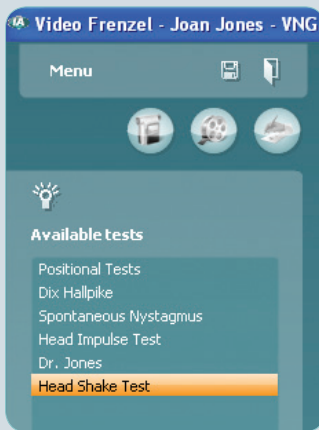


Full screen image with elapsed time indication

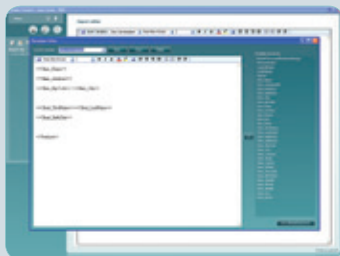
The Software

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 goggle 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

Camera:	IEEE 1394 FireWire®		
Resolution:	640 x 240 Pixels		
Images:	25 or 50 images per second		
Safety Standards:	IEC 60601-1 (General Safety), IEC 60601-1-1 (System Safety), IEC 60601-1-2 (EMC)		
Physical Specifications:	Goggle Weight with one camera:	320g (occluded view)	
	Goggle Weight with two cameras:	385g (occluded view)	
	Dispensing box with 24 pcs. of Disposable Goggle Foam pads:	302 x 216 x 131mm (L x W x H)	
System requirements hardware:	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		
System requirements software:	Windows®XP SP2 Operating System and Windows Vista Business SP1 and Vista Ultimate. Microsoft .Net 2.0 Framework. Windows Installer 3.x.		

Products in this group:

- VF405m basic
- VF405b basic
- VF405m extended
- VF405b extended
- Nydiag Rotary Chair

Related products:

- VN415
- VO425
- Eclipse VEMP

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

* Licensed features with each configuration

Included parts	VF405m Basic	VF405b Basic	VF405m Extended	VF405b Extended
Camera FireWire complete	1	2	1	2
Combi Mask VOG	1	1	1	1
FireWire SDM express card 2P	1	1	1	1
Power supply 10W	1	1	1	1
FireWire PCI-Card IEEE1394	1	1	1	1
EX-10000 Express card kit	1	1	1	1
Cable fastener	3	3	3	3
Disposable goggle foam pads	1	1	1	1
Foot pedal VEC	0	0	1	1
Screwdriver SE 1.5x60mm 105	1	1	1	1
Web camera w. microphone	0	0	1	1
Installation sheet	1	1	1	1
Combined CE & Operation Manual	1	1	1	1
Installation CD	1	1	1	1

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