

VNGPLUS

Videonystagmography system

UPGRADABLE / MODULAR PLATFORM

- Full diagnosis
- 3D positioning and control
- Telemedicine
- Reproducibility
- On line support
- Compact



THE TRUE USER FRIENDLY VNG

VNGPLUS

Videonystagmography system

- Compact CCU and convenient USB connections to any computer using Windows.
- Light weight goggles with lateral IR cameras and magnetic cover.
- Horizontal and vertical stimuli using a standard (VGA) computer monitor.

Optional:

VGA Visual Stimulator (VS). Versatile, Easy to Use!



Ultrasound sensors for perfect positioning of patient: to control distance and altitude to screen.



- Easy to create and modify protocols
- Built in animated video tutorials
- Printed and video online reports

Upgradable Configurations:

Basic System:

VNG Plus 2 Channels (1 IR camera, vertical and horizontal)

Advance system:

VNG Plus 4 Channels (2 IR Cameras, vertical and horizontal per eye)

Full System:

VNG Plus 4 Channels (2 IR Cameras) and 3D positioning control device.

| Test | Basic | Basic + VGA VS | Advance | Advance + VGA VS | Full |
|---|-------|-------------------|---------|---------------------|------|
| Spontaneous | Y | Y | Y | Y | Y |
| Positional (Dix Hallpike) | Y | Y | Y | Y | Y |
| Calorics | Y | Y | Y | Y | Y |
| Visual Stimulated Test: Saccades, Random Saccades, Smooth Pursuit (Sinusoidal), Optokinetic (Left and Right), Gaze | N | Y | N | Y | Y |
| Active Head Rotation (AHR) | N | N | N | N | Y |
| VHIT (Video Head Impulse Test) | N | N | N | N | Y |
| 3D Positioning of patient and quality control Test. | N | N | N | N | Y |
| Telemedicine (Video Reports) | Y | Y | Y | Y | Y |
| Dizziness Handicap Index | Y | Y | Y | Y | Y |



3D Positioning Device

- Ultrasound positioning sensors: monitors patient position in 3D to assure correct distances to the Visual Stimulator.
- Gyroscope control unit: monitors head movements and 3D position to control maneuvers and artifacts.
- Accelerometers: allows head velocity monitoring and Video Head Impulse Test.

