



VNG

Videonystagmography system



DESCRIPTION

VNG is the Synapsys line of videonystagmography systems, ideal for a complete vestibular analysis thanks to the wide range of available tests, which includes both vestibular and oculomotor tests. VNG can make use of either wireless or wired cameras. Users looking for a wireless camera can also choose goggles from two models: Goggle Flex (more flexible and adjustable to any face shape) or Xpress mask (more reliable for intensive use and easier to clean). VNG can also be optionally equipped with a binocular VISIO mask, which allows simultaneous recording of the movements of both eyes during oculomotor tests.

VNG CONFIGURATIONS

VNG is available in two configurations, which differ in the offered features:

| AVAILABLE EXAMS | Model | |
|----------------------------------|-------|------|
| | Basic | Plus |
| Positional/spontaneous nystagmus | ✓ | ✓ |
| Caloric | ✓ | ✓ |
| Saccades | | ✓ |
| Smooth pursuit | | ✓ |
| Gaze | | ✓ |
| Optokinetic | | ✓ |
| Kinetic module | | Opt. |

COMPATIBLE ACCESSORIES (CAMERAS)

- Wireless camera with Goggle Flex
- Wireless camera with Xpress mask
- Wired VNS4X camera with Goggle Flex
- Wired VNS3X camera with Goggle Flex
- VISIO mask

COMPATIBLE ACCESSORIES (STIMULATION DEVICES)

- SYNAPSYS MED4 Rotary Chair

REQUIRED SOFTWARE

VNG software is installed as module in Maestro software: possibility to manage patients' data in a unique database, store and print exam reports.

INTERFACE WITH EQUIPMENT

USB connection with wired VNS4X camera and VISIO mask

Wi-Fi connection with wireless camera

PC MINIMUM REQUIREMENTS

CPU:

- Recording with low resolution environmental camera (432x240): Intel® i5, 6th generation or above, 8 GB RAM
- Recording with high resolution environmental camera (1920x1080): Intel® i7, 6th generation or above, 8 GB RAM

Display resolution: 1920 x 1080 (16:9) or higher, scale factor 100%

Operating System: Windows 10 and Windows 11, 64 bits

PC ports required by VNG Wireless:

- 1 USB port
- 1 Ethernet port

PC ports required by VNG Wired:

- 2 USB ports

FREIGHT PACKING

Size (WxDxH): 13.5 x 53 x 39 cm / 5.3 x 20.9 x 15.3 in.

Gross weight: approx. 4 kg / 8.8 lb

APPLICABLE STANDARDS

IEC 62304, IEC 82304-1

MDR CLASSIFICATION

Class IIa (Classification rule: 11, [Annex VIII, MDR 2017/745])

Notified body: TÜV SÜD Product Service GmbH (0123)

PRODUCT CODES

11463: VNG Basic with wireless camera (Goggle Flex)

11464: VNG Plus with wireless camera (Goggle Flex)

11463-XPR: VNG Basic with wireless camera (Xpress mask)

11464-XPR: VNG Plus with wireless camera (Xpress mask)

10619: VNG Basic with wired camera

10620: VNG Plus with wired camera

OPTIONAL PARTS

11963: Additional wireless camera for Flex goggles

11963-XPR: Additional wireless camera for Xpress mask

11013: Additional wired VNS4X camera

11768: VISIO mask for binocular open field testing with 50 Hz camera

11835: VISIO mask for binocular open field testing with 100 Hz camera

11771: VISIO mask for binocular open field testing with 200 Hz camera

11471: Room camera

12314: Stand for room camera

10859: Video projector for VNG systems

10888: Subjective Visual Vertical (with gamepad)

10910: SYNAPSYS MED4 Rotary Chair

11836: Synapsys velocimeter kit (with VNG kinetic module)

VNG is manufactured by:

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