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OphthoSim™ Ophthalmoscopy Training

Item No. 1021954
Weight 5kg
MPN: 13-001

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SKU:

Categories: Ear, [Nose and Throat Examination](#)



Product Description

Why Choose the OphthoSim™ Ophthalmoscopy Training System for Your Simulation Lab in India?

The OphthoSim™ Ophthalmoscopy Training System (Item No. 1021954, MPN: 13-001) is a 5 kg hands-on simulation system that transforms how students learn to diagnose eye pathologies — combining a motion-tracking OphthoSim™ Ophthalmoscope, a proprietary eyeform that replicates the magnification of the lens in the human eye across different clinical conditions, and a comprehensive software platform with 200 high-resolution retinal images. For ophthalmology training programmes, general medicine residencies, optometry courses, and clinical skills labs in India that need to train ophthalmoscopic and funduscopy technique with a realistic instrument experience and a structured diagnostic image library, OphthoSim™ is the most feature-complete ophthalmoscopy simulation platform in the catalogue.

The OphthoSim™ Ophthalmoscope detects user movements and orientation in real time, training the instrument approach, fixation technique, and field navigation that clinical ophthalmoscopy requires — skills that cannot be learned from a static image viewer. The eyeform replicates the magnification of the human lens and duplicates different clinical conditions, giving trainees the correct visual experience of looking through a real ophthalmoscope at a real patient's retina. The software includes training and testing modules across: History of Ophthalmoscopy, Examination Principles and Technique, Instrument Use, Retinal Feature Identification, and full pathology coverage including Papilledema, Diabetic Retinopathy, Glaucoma, Choroidal Rupture, and Macular Degeneration. The Landmarking Function allows instructors to highlight specific pathological characteristics during teaching, and Advanced Quizzes present randomised realistic clinical scenarios testing both medical and patient interaction skills. The full-screen interface improves viewer retention through an immersive experience.

The Ear Upgrade Kit (1021955) converts this OphthoSim™ unit into an OtoSim 2™ otoscopy trainer for labs that want both modalities on one device.

Why Buy from SEM Trainers? SEM Trainers & Systems has over 30 years of experience supplying medical simulators to 1,500+ institutions across 28 states in India. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support.

Frequently Asked Questions

Q: How many retinal images does the software include? A: 200 high-resolution images with detailed text descriptions and pre-annotations for normal landmarks and pathological features.

Q: Can the OphthoSim™ be converted into an otoscopy trainer? A: Yes. The Ear Upgrade Kit for OphthoSim™ (1021955) mounts onto this unit and converts it into an OtoSim 2™ otoscopy trainer.

Q: What is included? A: OphthoSim™ Ophthalmoscope, OphthoSim™ control box, OphthoSim™ Eye, OphthoSim™ Software (USB stick), Ophthalmoscope Cable, USB Cable, User Manual (USB stick), and 2 protective hard cases.

OphthoSim™ Ophthalmoscopy Training is a hands-on simulation system that radically transforms how

students learn to diagnose and treat eye pathologies. Its proprietary software and accompanying tools empower students to actively diagnose real-world eye conditions within a simulated environment. Students can use OphthoSim™ to get better at diagnosing and treating eye pathologies. They can practice identifying retinal features and monocular vision as well as improve their ophthalmoscopic and fundusoscopic technique. OphthoSim™ Ophthalmoscope detects user movements and orientation, whereas the included eyeform replicates the magnification of lens in the human eye and duplicates its different clinical conditions. **OphthoSim™ software includes:**

- Training and testing modules with database of 200 High Resolution Images
- Detailed text descriptions and pre-annotations for normal landmarks and pathological features
- Landmarking Function - allows instructor to highlight specific characteristics of pathologies
- Advanced Quizzes - Randomized realistic clinical scenarios to test both medical and patient interaction skills
- Easy-to-use Graphical User Interface - Improves viewer retention through immersive full-screen experience

OphthoSim™ content and skills features:

- History of Ophthalmoscopy
- Examination Principles & Technique
- Instrument Use
- Retinal Feature Identification
- Pathology - Papilledema, Diabetic Retinopathy, Glaucoma, Choroidal Rupture, Macular Degeneration, plus more
- Examinations and Self-Examinations

	OtoSim 2™ Otoscopy Training	OphthoSim™ Ophthalmoscopy Training	OtoSim 2™ and OphthoSim™ Set
	1021950	1021954	1022140
Base unit	YES	YES	YES
Instrument	OtoSim 2™ Otoscope	OphthoSim™ Ophthalmoscope	OtoSim 2™ Otoscope and OphthoSim™ Ophthalmoscope
Control Box	OtoSim 2™ control box	OphthoSim™ control box	OtoSim 2™ and OphthoSim™ control box
Adult Earform	right and left	–	right and left
OphthoSim™ Eye	–	YES	YES
USB Cable	YES	YES	YES
Otoscope Cable	YES	–	YES
Ophthalmoscope Cable	–	YES	YES
Extra Speculums	YES	–	YES

Software (delivered on a USB stick)	OtoSim 2™-Software	OphthoSim™-Software	OtoSim 2™- und OphthoSim™-Software
Protective Hard Cases	2	2	3
User manual (delivered on a USB stick)	YES	YES	YES