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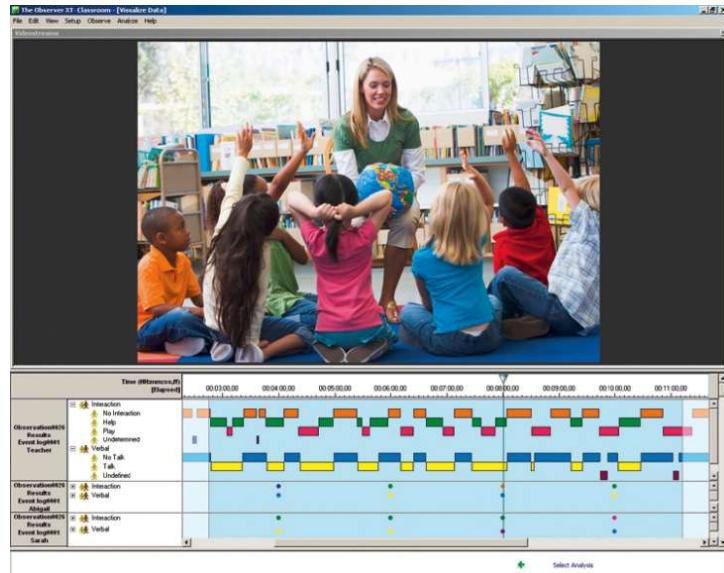
Observation Lab

The Stationary Observatio Lab is the complete setup for all your observational studies. It includes all the hardware and software to run your observational studies from setup of the research to analysis of all collected data. All equipment is fully integrated allowing you to operate all components and make recordins on one central computer in the control room, while an intercom enables you to communicate with your test participants.

Total solution with fully compatible compenets

The Stationary Observation Lab consists of:

- Remotely controlled professional dome cameras.
- Proferssional audio setup, including micrphones, speakers, 19" pre-amp and post-amp mixers.
- The Observer XT software.
- Media Recorder for synchronous video recording.
- The required processing power with two 24" monitors and storage space.
- Clean and robust installation in a 19" rack.
- On-stie installation and training.



Features

- *Dome cameras* – The professional dome cameras with remote control allow you to observe your subjects unobtrusively. Zoom in and out during observations, without having to adjust lenses and camera positions manually.
- *Professional audio setup* – The speaker and microphone setup enables you to make high quality recordings. Through a push-to-talk you can communicate with the subjects in the participants' room.
- *The Observer XT* – Is the professional and user-friendly event logging software for the collection, analysis and presentation of observational data. It will enable you to setup the research, play and observe up to four video files, and analyze your observations. Analysis includes: descriptive statistics, reliability analysis and lag sequential analysis.
- *Media Recorder* – The lab is equipped with Media Recorder that enables you to record your video files in sync. By recording your video files in sync, you do not have to manually synchronize them. You can record videos in Media Recorder while conducting live observation in The Observer XT or analyze videos off line (after they have been recorded). Some features of Media Recorder are:
 - Record up to four individual video files in full resolution, or combine several data streams in one video file
 - Videos will be recorded in high resolution MPEG-5 format (approximately 2.5 GB per hour)



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- *Integration and testing* – All software and hardware will be integrated and tested in Noldus headquarates before shipping to your location. By doing this we can make sure that the complete setup works flawlessly.
- *Training* – We offer you a two-day training course at your facility by a qualified trainer. After your training, you will be able to optimally benefit from your complete setup. During the training, the trainer will help you to setup all hardware. Travel and lodging costs of the trainer are included.



Benefits

- User friendly and fully integrated solution, always ready to be used
- Synchronous recordings of multiple videos from multiple angles and multiple audio signals
- High resolution screen capturing, operating system independent
- Remote control of cameras
- Installed and trained at your location

Components included

Software

- The Observer XT Base, Video and Multiple Video Module (4 videos)
- The Observer XT External Data Module
- The Observer XT Advanced Analysis Module
- Media Recorder

Hardware

- (2) Large monitors
- (2) Pan/Tilt/Zoom cameras with remote control
- Microphones, microphone amplifiers and audio mixer
- Equipment rack with PC, power supply, surge protector, shelve and spacers

Services

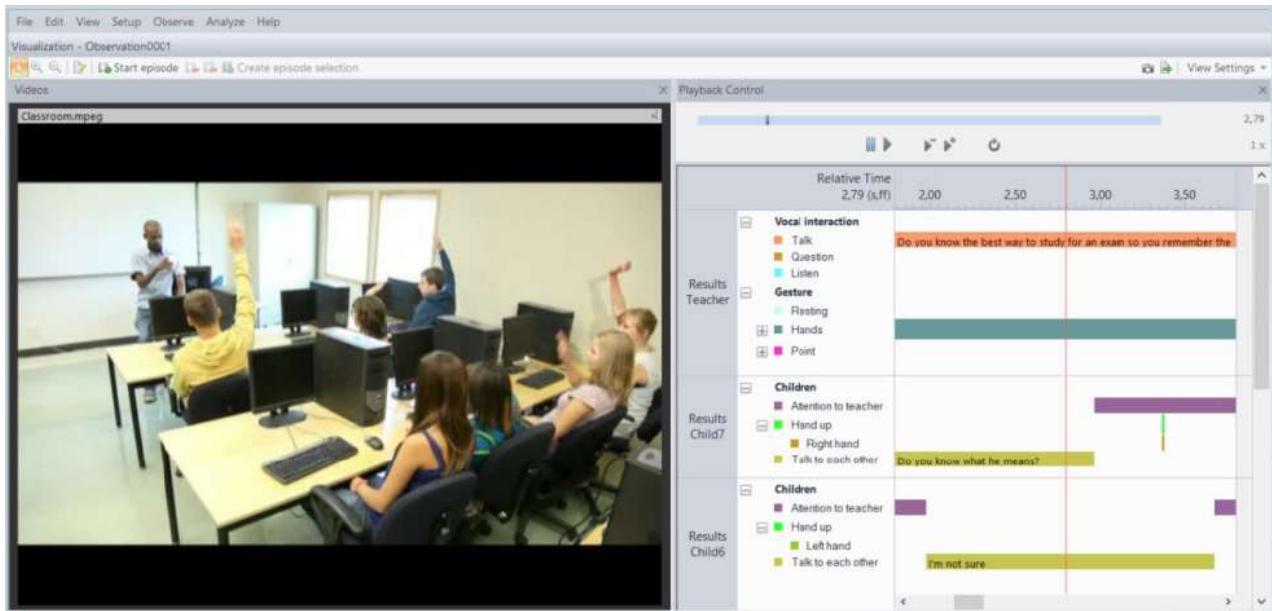
- Technical support via phone or email for 3 years
- Complete integration and on-site installation and training
- Local i-DNA Biotechnology Pte Ltd support after sales

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The Observer XT

The Observer XY is the professional and user friendly event logging software for the collection, analysis and presentation of observational data. The Observer XT supports the entire workflow of a research project: from setting up the experiment, design of a coding scheme, data gathering, to data analysis and presentation.



Benefits

- Code and describe behavior in a quantitative way
- Collect rich and meaningful data live or from video and/or audio (up to two sources)
- Visualize your data for an overview of all coded behaviors in a single glance
- Calculate statistics and assess reliability
- Record time automatically and accurately
- See a time stamp for each recorded event
- Analyze groups of observations at once
- Easy data export and presentation of data

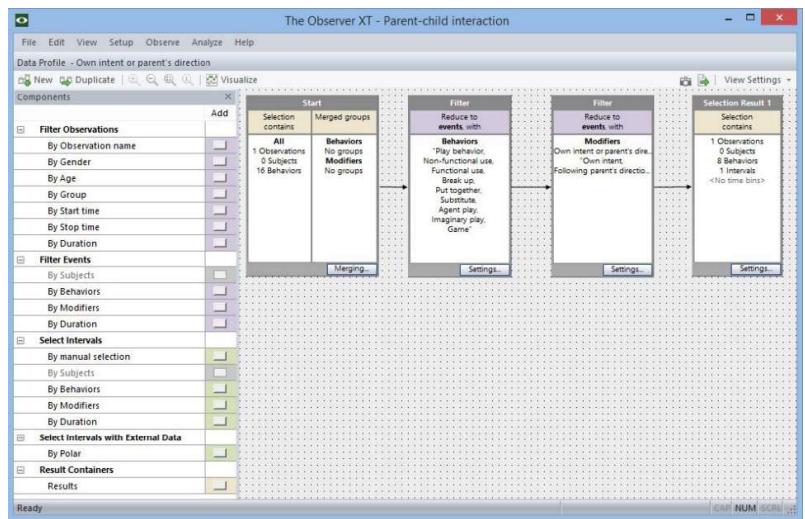
Features

- User-friendly configuration designer
- User-friendly event logging and freeform annotation, live or from video
- Support for continuous and instantaneous sampling methods
- Synchronous playback of up to two separate video files and two audio files (MP3, WAV and WMA). You can even visualize the audio of the imported videos
- Compatible with QuickTime (MOV), MP4, MPEG-1/2, MPEG 4 DivX, DV-AVI, and AVI digital video files; also compatible with videos made by an Apple iPod, Sony PSP, and others (Complete list available in service manual)
- Powerful and intuitive data selection
- Data exploration and visualization: time-even table, time-event plot and video highlights
- Reliability analysis, lag sequential analysis and descriptive statistics:

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- Lag sequential analysis provides you with information about how often an event is followed (or preceded) by another event.
- Reliability analysis helps you quantify the degree of agreement between two data sets
- Project backup and restore utility
- Compatible with a broad range of eye trackers, data acquisition systems and third party hardware/software



The Media Recorder

The Media Recorder from Noldus enables synchronous video recordings from up to four different video and audio sources at a time. Control movement with your mouse or joystick. Compatible with The Observer XT, FaceReader, and a broad range of cameras, it is the ideal recording tool. Media Recorder enables you to combine different videos in one study. It offers you precision and flexibility in video recording and synchronization.

Features

- High quality recording – Media Recorder is compatible with a broad range of high quality digital cameras based on today's technologies as well as analog systems. Media Recorder can be used with the newest state of the art video recording technology.
- Flexible recording software – Media Recorder can record from analog cameras, high-quality webcams, IP cameras, screen capture devices. Each device is suitable for its specific application and therefore there is always a solution that meets your needs
- Recording of multiple video files – You can record up to four video files simultaneously with Media Recorder, also in HD (1280 x 720) in MP4 format. So you can record the same scene from different angles or record in many rooms simultaneously. This makes your recordings fast and accurate.
- Record up to 60 frames per second – With special video cameras, you can even record up to 60 video frames per second. So you can record fast movements accurately for example – sport research
- Easy to operate - Easily switch between different cameras and control them with your mouse or joystick. With IP cameras, pan-tilt-zoom is now possible with joysticks to precisely position the cameras
- Integrated video file and picture in picture – Video from four cameras can be combined into one file, so you can inspect your entire setup in one view. It is also possible to display up to three small video images in one main video image (Picture to Picture). You can choose the position and size of the embedded video images within the primary video display



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- Identify – The Media Recorder had an identify button which allows you to see which video image come from which camera
- Easy storage – Media Recorder will store the files safely in a user-specified location and everything that was recorder together can easily be retrieved at the moment. Moreover the system can store the videos in separate, synchronized files in order to assure the highest possible resolution of each video image
- Automated synchronization – Videos recorded with Media Recorder are automatically synchronized with your observation in The Observer XT. This makes your research easy and accurate

Benefits

- Easy to use
- Flexible software that fits your needs
- Versatile, no extra equipment for mixing (PiP) or combining videos necessary
- High quality recordings
- Perfect integration with The Observer XT
- Accurate synchronization
- Robust software tool for videos
- Compatible with Windows 8.1 and Windows 10 (64 bit computers)

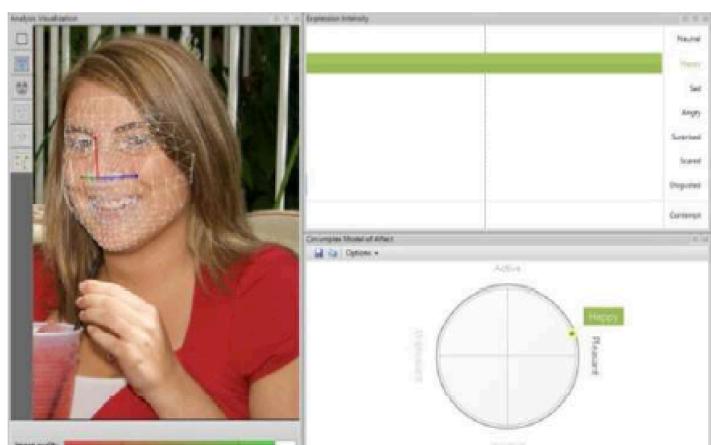


FaceReader

FaceReader is the most powerful software tool for facial expression analysis. It provides users with an objective assessment of a person's emotion. The computer does the work for you. The following facial expressions are analyzed:

Neutral, Happy, Sad, Angry, Surprised, Scared, Disgusted, Contempt

In addition, FaceReader analyzes the valence of facial expressions, gaze direction, head orientation, and facial states such as eyes open/closed, mouth open/closed, and eyebrows raised/neutral/lowered.



Features

- Automatic analysis of images or video files
- Automatic live analysis via camera/webcam
- Record a video of the test participant during live analysis
- Deep face classification allows expression analysis when even a part of the face is hidden
- Real-time representation of the circumplex model of affect to assess arousal
- Classifiers for the mouth, eyes and eyebrows
- Head orientation tracking and measurement of gaze direction
- Trained model (>10,000 images) for all ethnic groups, elderly and children

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- Calibration function
- Export of key point coordinates
- Easy data integration with The Observer XT and more via N-Linx
- Live data export in ASCII format through an advanced API

Installation and Training

This on-site installation and training will ensure you can start with your research or test quickly. All components purchased by Noldus will be installed and integrated at your location. For the training course, the list of topics is show below. Additional topics, number of participants (usually 4-8 per day), and the contents of the complete training can be adapted in conjucon with our trainers.

The installation and training includes the following

- Installation of all hardware and software components purchased from Noldus
- Project design and creating a configuration for your project
- Acquiring data live or from video
- Data profiles and analysis of results
- Project and digital video management
- Export to other programs
- Travel and lodging expenses are included



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Noldus CARE



GET YOUR QUESTION ANSWERED	WORK WITH THE LATEST VERSION OF THE SOFTWARE	RECEIVE EXTENDED WARRANTY ON YOUR HARDWARE
<p>You will receive a personal and useful answer to your question.</p> <p>Our worldwide Support staff is ready and highly qualified. Call, skype, join a team viewer meeting or communicate via email with experienced support engineers.</p>	<p>Take advantage of the newest software to speed up your work.</p> <p>This version always includes new features and new functionality, based on input from our worldwide customer base. Updates, upgrades and new releases are available for free. As well as update meetings, where you can discuss new features with a Noldus consultant.</p>	<p>Quick repair or replacement, free of charge.</p> <p>When hardware breaks down due to defective materials or workmanship, we will repair or replace it. It is as simple as that. You can continue your project as soon as possible.</p>

PROTECT YOUR INVESTMENT
GUARANTEED PROJECT QUALITY AND CONTINUITY
EXPERIENCE PEACE OF MIND

READ WHAT OUR CUSTOMERS SAY ABOUT OUR SUPPORT TEAM

"Would also like to say thanks for the excellent support I have gotten from Rolf Leurink in the weeks before Christmas." - Mr. Eirik Ofstad, Norway

"The response time for questions is fast. The personal contact is very good." - Dr. Geir K. Knudsen, Norway

"Great experience. A single email immediately solved a problem I had been working on for days." - Dr. Drake Morgan, USA

"My technical support was excellent, and there was never a problem getting a response" - Dr. Cynthia Smeraski, USA

"The technical support and product knowledge of Noldus' staff is superior and platinum standard. Their commitment to helping customers troubleshoot software and hardware problems and their persistence in making sure a solution is found, is the reason labs like my own go to them for software and hardware." - Dr. Stephen Bonasera, USA

The Support and maintenance agreement – NoldusCare applies.

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Quote

No	Description	Price (SGD)
1	The Observer XT 14 Software <u>Includes</u> The Observer XT Base The Observer XT Media Module The Observer XT Multiple Media Module (4 Media) The Observer XT External Data Module	SGD 16,400
2	Media Recorder 4 Software (4 Channel)	SGD 2,500
3	FaceReader 7 Software <u>Includes</u> FaceReader LED ring FaceReader Lamp stand	SGD 9,100
4	Computer T5810 (3 units) with Windows 10 Monitor 23/6" (4 units) Network Card 19" Rack (To hold computer and monitor)	SGD 15,100
5	Camera IP PTZ (2 units) Switch PoE 24 Ports Tripod Standard Microphone Preamplifier Microphone Boundary Layer	SGD 7,550
6	NoldusCare 3 Years (1 st year FOC)	SGD 9,550

i-DNA is the exclusive distributor for Noldus in Singapore

The price is expressed in Singapore dollar currency, without 7% GST

The price is inclusive of delivery

This price is excluding training on-site and installation

The price quoted is excluding customization of our software to work on your equipment/ hardware.