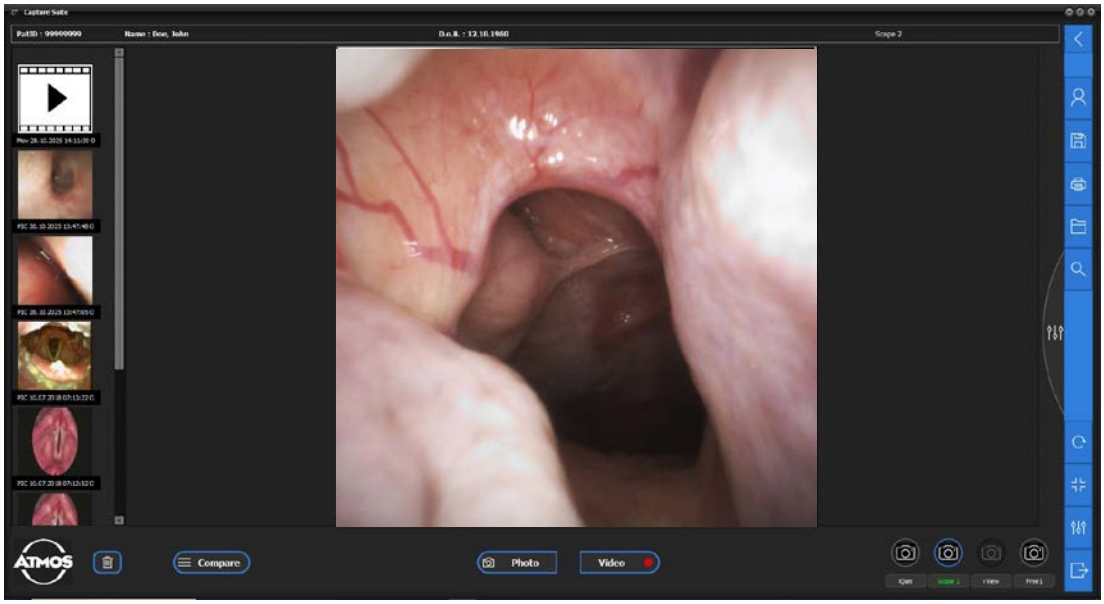
ATMOS MedizinTechnik

Instructions for Use

ATMOS Capture Suite

English



These Instructions for Use are valid from software version 5.0.1

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1 Introduction

1.1 Notes on the Instructions for Use



These Instructions for Use contain important information on how to operate your product safely, correctly, and effectively.

These Instructions for Use are designed for training and instructing new operating personnel in the use of the system and also for use as a reference manual. This document may be reprinted, either in part or in whole, only with the written permission of ATMOS.

These Instructions for Use must always be kept available near the product.

§

Read chapter “2 Notes for your safety” on page 7 before using the product for the first time. This will help you to avoid potentially dangerous situations.

You can find the Declarations of Conformity and our General Standard Terms and Conditions on our website at www.atmosmed.com.

The quality management system applied at ATMOS has been certified according to the international standard EN ISO 13485.

The ATMOS Capture Suite 5 used is not a medical device.

These Instructions for Use are valid for the following products:

- ATMOS Capture Suite 700.0047.0

1.2 Explanation of pictograms and symbols

In the Instructions for Use

⚠ DANGER

Warning of a hazard that will result in death or serious injury. Observe the necessary measures.

⚠ WARNING

Warning of a hazard that could result in death or serious injury. Observe the necessary measures.

⚠ CAUTION

Warning of a hazard that may result in minor or moderate injury. Observe the necessary measures.

NOTICE

Indicates a hazard that may result in damage to the product or other property if not avoided. Observe the necessary measures.

⚠	Warning of a hazard that could cause serious injury or death.
ⓘ	Notice of potential material damage.
☞	Useful information on handling the device.
1.	Call for action. Proceed step by step.
»	Result of an action.
→	Move/plug in this direction.
click	Engage and check for tight fitting.

1.3 Function

Visualization and archiving software

Name: ATMOS Capture Suite 5

Main function: Visualization and documentation of the diagnosis results

Specification of the main function:

- Saving and editing snapshots (JPG format)
- Saving and cutting video sequences
- Saving and amplifying audio signals
- HD recordings possible
- Individual printing templates
- Individual camera settings
- Touch-optimized user interface
- Automatic camera identification
- Snapshot during the video recording
- Snapshot/video comparison mode

Optional: GDT connection

Optional: DICOM connection

Performance features

Software used to display video signals on a PC. Snapshots and videos can be recorded, post-edited, saved and/or exported as snapshot or video data or as a PDF or MS Word report.

1.4 Scope of delivery



ATMOS software (USB flashdrive)



ATMOS Capture Suite dongle

2 Notes for your safety

2.1 General safety instructions

As a user of the software, you are responsible for backing up your own data.

Never alter the camera settings or any other system settings yourself. Incorrect settings can impair smooth operation.

ATMOS recommend contacting an authorized ATMOS service partner to arrange installation, configuration and troubleshooting.

2.2 Danger to users, patients and third parties

ATTENTION

Avoid mixing up patients when saving snapshots and videos.

The patient could be treated incorrectly.

- This notice applies only to recordings (snapshots/videos) permanently stored, not to live images.
- The patient data are entered manually if the module is used only locally without connection to an information system (e.g., PACS or a practice management system (PMS)). Check carefully whether the name, date of birth and, possibly, the patient ID match those of the patients actually examined before saving recordings.
- When using the module with a connection to an information system, make sure the correct patient worklist has been loaded and the correct patient selected before saving recordings.

3 Setting up and starting up the module

Only persons who possess the necessary knowledge and are familiar with the product are permitted to install and configure the ATMOS software.

ATMOS recommend having work carried out only by an authorized ATMOS service partner. This will ensure the software is installed and configured properly.

3.1 Technical specifications

Requirements	Descriptions
Recording snapshots and videos	Snapshots and videos are automatically displayed in the library after being recorded
Personalized user login	More safety and individual settings
Exporting patient examinations	Exporting examination data on a USB flashdrive
Printing function	• Printing selected snapshots in Word format, Open Office, PDF, printer, e-mail and preview • PDF export also user-defined with results display
Camera switchover	• ATMOS iQam, ATMOS Scope 2, ATMOScope, ATMOS i View, ORL Otoscope, ORL Endoscope PED and ATMOS Cam 41 camera support, one freely configurable camera • Customizable cameras (6 cameras) • Camera settings in their own windows • Pre-configured settings for 8 cameras • Camera driver assignments
Display of the examination	• Up to 50 snapshots or videos can be displayed directly for each patient • Snapshots or videos can be recorded without switching the mode
Snapshot/video comparison mode	• Comparing 4 snapshots, 2 videos, or 2 snapshots and 1 video • Highlighting of anomalies
Time stamps	Setting time stamps when recording videos for direct jump marks for selection
General image settings	• Contrast setting • Saturation setting • Brightness setting • Hue setting
Video editing	Video editing in time windows with automatic joining of the selected sub-video to form a single video
Search function	Finding snapshots/videos according to diagnoses
Data archiving	Data archiving on external hard drive
Integrated TeamViewer link	Support request
Volume (stroboscopy)	Display of the volume and frequency of the ATMOS stroboscope via optional data cable
Auto save	Saving is performed automatically

Browser call	Opening a browser within Capture Suite 5
Image adjustment	Automatic image adjustment to the size of the screen or original size of the camera
Patient management	Management of patient data
GDT (optional)	Integration into the practice EDP
DICOM (optional)	Integration into PACS

3.2 Minimum hardware requirements

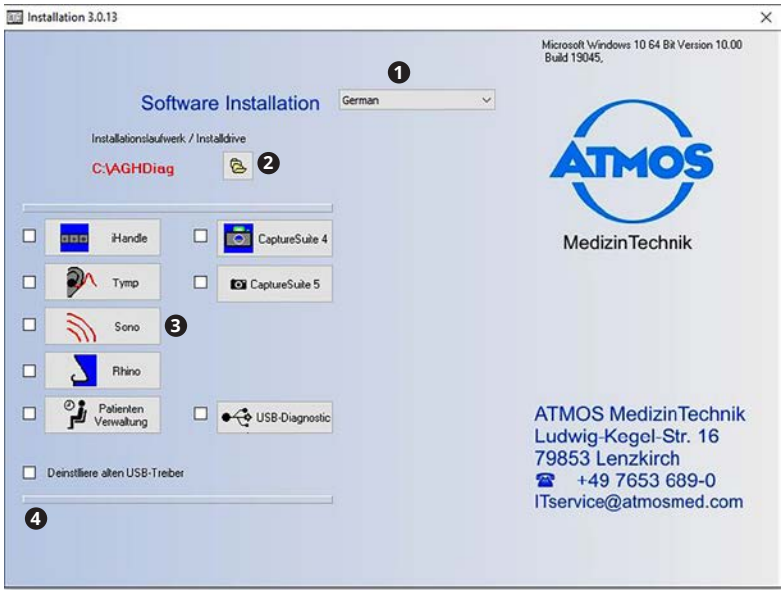
ATMOS Capture Suite 5

Operating system	**Win11 64-bit**
Free hard drive capacity	400 MB program installation Recommended: 2 TB At least 1 TB for video storage
CPU performance	At least Intel i5 or AMD Ryzen 5, at least 6 core, min. 3 GHz
RAM	At least 16 GB dual channel (2 x 8 GB) Recommended: 2 x 16 GB
Graphic resolution	1920 x 1080
Video input	HDMI grabber Full HD: Magewell XI100DUSB-HDMI, HDMI to USB 3.0
Audio input	MIC in or LINE in for use with stroboscope
Audio output	Loudspeakers or headphones
USB ports	At least 1x USB 2.0, at least 1x USB 3.0 (for HDMI grabber or camera)

3.3 Installing the software

1. Check whether your computer meets the system requirements.
2. Connect the supplied USB flashdrive to the PC.
3. Right-click on the file INSTALL.EXE and select the RUN AS ADMINISTRATOR menu item.
4. Enter your administrator login details if you are requested to do so.

» The software starts.



5. Set the following:
   - Language ❶
   - Installation path ❷ (important for network installation)
   - Software to be installed ❸

☞ The program automatically selects the necessary software components (drivers), depending on the selected software.

6. Click on the INSTALL button ❹.

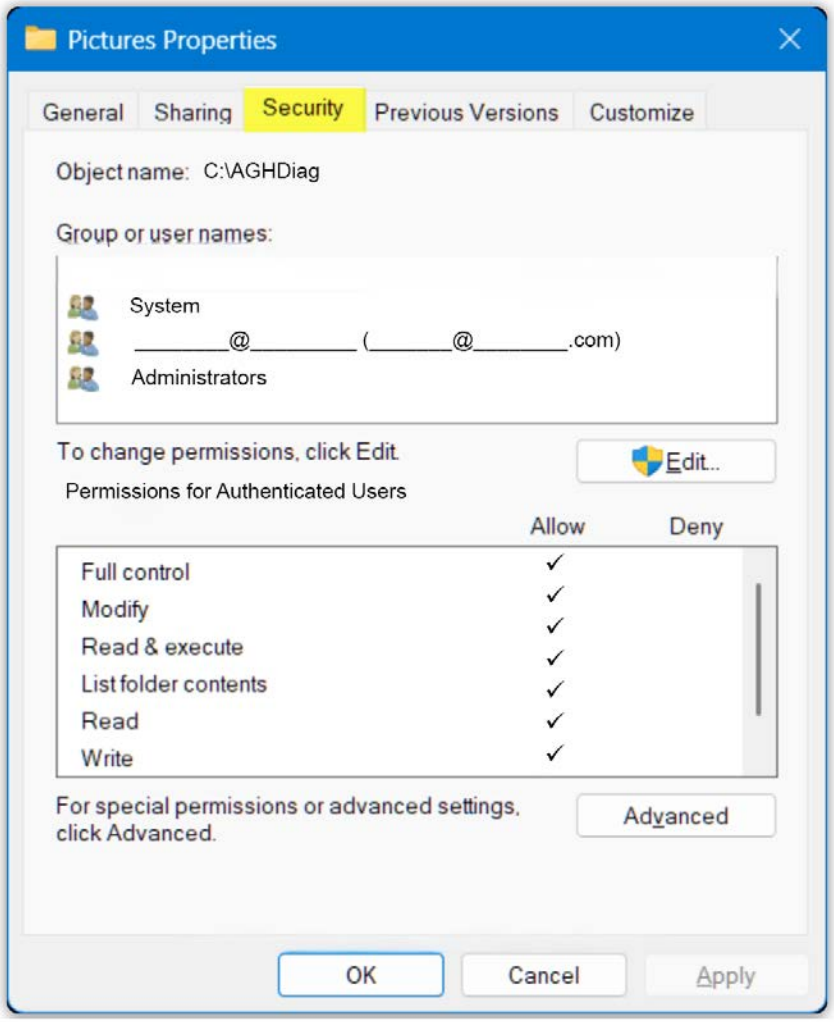
» The software is installed. The current status is displayed at the bottom left.

» The message INSTALLATION COMPLETE appears at the bottom left as soon as the installation is complete.

Potential problems during installation

Problem	Possible cause	Remedy
The START AS ADMINISTRATOR message appears.	You did not launch the software as an administrator.	1. Close the software. 2. Right-click on the file INSTALL.EXE and select the RUN AS ADMINISTRATOR menu item. 3. Enter your administrator login details.
INSTALL button not present.	No software selected.	1. Select the software you want to install.
	You did not launch the software as an administrator.	1. Close the software. 2. Right-click on the file INSTALL.EXE and select the RUN AS ADMINISTRATOR menu item. 3. Enter your administrator login details.

- Open Explorer and check the access permission to the AGHDiag folder for all users.
- Important: All users must have read and write permission (full access) to the “AGHDiag” folder.



4 Basic configuration

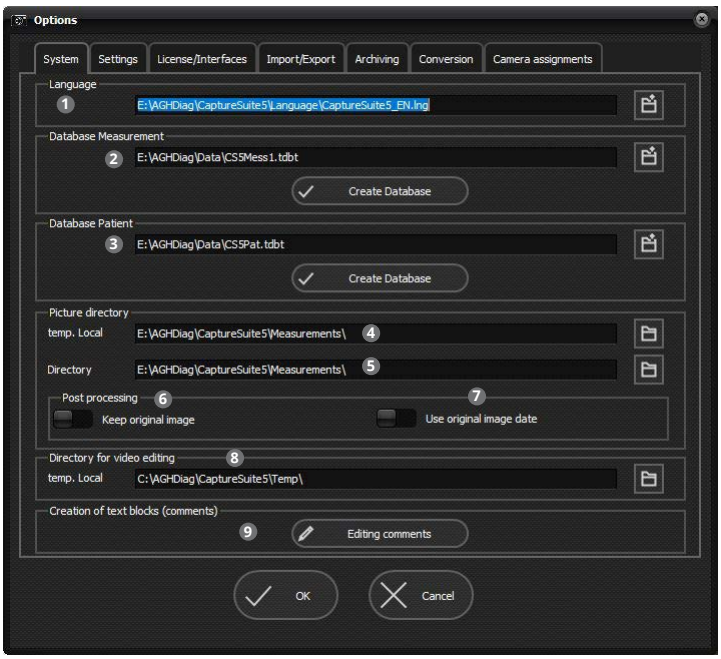
Click/tap on the main menu symbol to open the configuration for:

- File management
- Import/export settings
- Database management
- Licence options
- Back-up options
- Workflow management, etc.



The “Settings” symbol is used only for camera management and opens the respective settings window for the selected camera currently in use.

4.1 Basic system settings

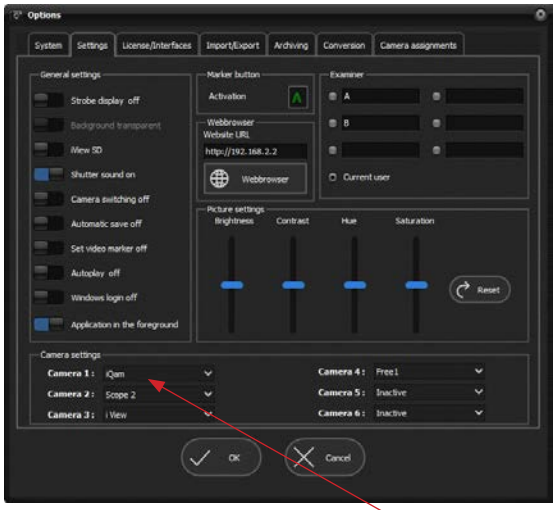


❶	Display of which language file is available in the language folder.
❷	Storage location where the measurement data are stored. ☞ To be stored on a network drive in the event of a configuration with several workstations.
❸	Storage location where the patient data are stored. ☞ To be stored on a network drive in the event of a configuration with several workstations.
❹	Temporary video storage. The video file is deleted at the end of the session or after actuating the “SAVE” button. ☞ Needs to have been created in a local folder on your PC.
❺	Snapshot and video directory ☞ To be stored on a network drive in the event of a configuration with several workstations.

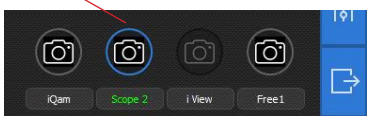
❻	The original object can be replaced or a copy stored and the original object retained here after post-editing.
❼	Use the time stamp with the date of the original object or the date of editing the object.
❽	Interim storage of videos/snapshots during post-editing. This should take place on a local drive. ☞ The file is deleted when the newly edited object is saved.
❾	Button used to open the editor to create comment text modules.

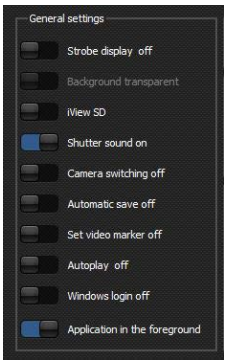
4.2 Basic workflow settings

These settings must be made in close cooperation with the user, because they define how the workflow is to be organized, certain automated mechanisms defined and procedures defined.



Camera setting example





Marker button:

If the video marker is activated, the defined letters can be used to set a marker to go quickly to the selected film sequences.

Web browser:

URL used to start ATMOS Bridge One or Case Manager in the respective configuration

Examined persons:

Up to six examined persons can be pre-defined. The user name is the Windows user name if “Current user” is activated.

General settings:

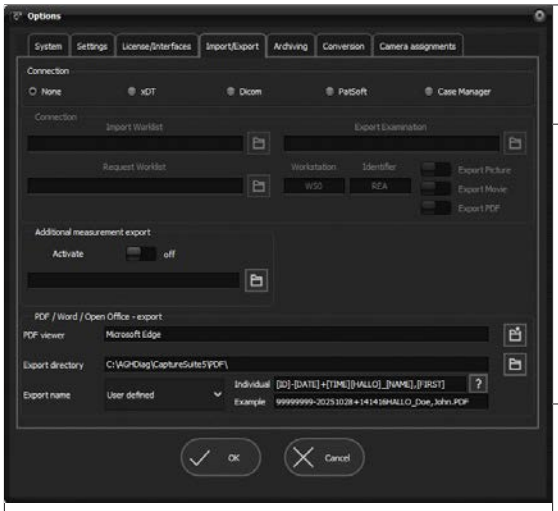
- Strobe display on/off (frequency and SPL value of the connected stroboscope).
- Colour setting for strobe display (background and text colour).
- The switch must be active if an ATMOS i View HD controller is connected to the PC.
- “Shutter sound” on/off (loudspeaker must be connected/available).
- Switching between cameras using camera buttons or sensors.
- Saving snapshots/videos directly after recording them or manually by pressing the Save button.
- Option used to switch the video marker on/off. If the mark is “on”, the mark will be set using the defined marking button on the keyboard or the “B” button of the ATMOS Scope.
- Autoplay starts the video automatically in video editing mode.
- Automatic deletion of the patient data after pressing the Save button.
- Option used to display the application always as the first window on the screen (prioritized).

4.3 Licence/interface settings



Licensing: Management of updates and upgrades on the connected licence dongle.
Creating a software licence: Special device for mobile devices with only one USB port. Separate instructions are available for this function.
Program password: Create a password to prevent accidental or unauthorized access to the Capture Suite settings.
Interface: Checking the function of the connected peripheral devices, e.g., buttons on the SD ATMOS Scope, foot switch or ATMOS i View touchpad.

4.4 Import/export settings



Connection: type of connection to the patient management system or log for the patient import.

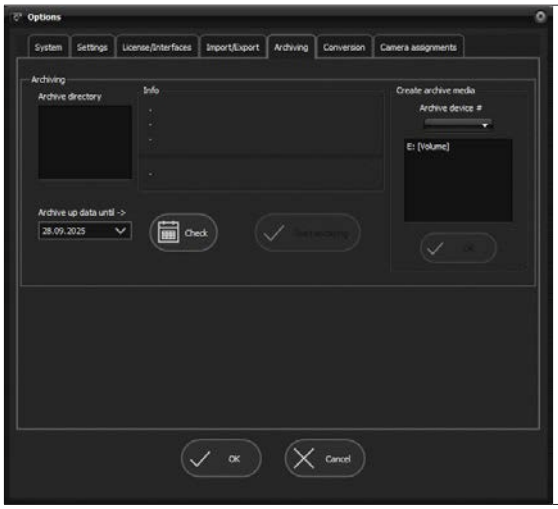
DICOM parameters: set-up of the parameters in combination with ATMOS Bridge DICOM One.
The parameters must be synchronized with ATMOS Bridge.
Selection of the files to be exported as DICOM snapshot, video and/or PDF report.

Data exchange: additional export of snapshots or videos in a pre-defined folder if desired by the customer.

PDF / MS Word / Open Office export: storage location of the PDF reader for opening PDF reports and storage location of the folder in which MS Word, Open Office or PDF files can be stored.

Export file with different selection options for file names:
The file name may be the patient ID, the time stamp of the report, the patient ID with time stamp, or a user-defined name. An explanation of how to create the individual name structure is displayed on the screen when you click/tap on "?". An example of a file name is displayed in the EXAMPLE field after the definition of the structure.

4.5 Archiving settings



The archiving function is available only if an external drive is connected to the PC (USB or network drive).

4.5.1 Procedure

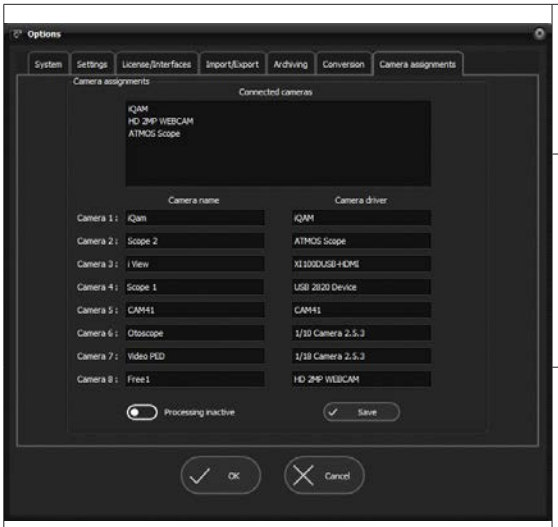
Creating an archive drive:

1. Select an archiving number and the external drive to be used as archive.
2. Click on "OK" and select this drive under the ARCHIVE DIRECTORY.
3. Select a date up to which the examinations (snapshots and videos) are to be moved from the work drive to the archive drive.
4. Check the number of snapshots and videos to be archived and whether sufficient storage space is available on the archive drive.

☞ If insufficient storage space is available, change the date or create another archive drive.

4.6 Camera assignment

ATMOS Capture Suite 5 can manage up to eight cameras and display up to six cameras on the user interface.



Connected cameras: The cameras from the PC device manager are listed here. In this way, only the connected and installed cameras are displayed.

Camera name: Enter the name of the camera to be used under the activation button on the start screen of the Capture Suite.

☞ It does not have to match the name displayed at the top of the device list.

Camera driver: Assign a device (driver) from the device list to devices 1 to 8 using drag-and-drop. After the assignment, the device name and display name will be retained in combination even if a camera is disconnected and re-connected. Actuate "SAVE" for each change.

5 Database conversion (migration)

5.1 Purpose and context

Database conversion is an integral part of the upgrade to ATMOS Capture Suite 5. It ensures that existing patient and measurement data from ATMOSoft and ATMOS Capture Suite 4 is transferred completely, in a structured manner, and without data loss into the new database structure of ATMOS Capture Suite 5.

Main objective of this function:

» No data loss during the upgrade and seamless continued use of existing data within ATMOS Capture Suite 5.

These instructions describe only the migration process for existing installations and do not replace general installation or system documentation.

5.2 Overview of the migration process

Database conversion takes place in two clearly defined and consecutive steps.

5.2.1 Database analysis

Before the actual migration, the selected patient and measurement databases are analyzed. The system identifies, among other things:

- incorrect or invalid assignments
- measurements without patient assignment
- inconsistent or incomplete data records
- archived measurements

Optionally, the measurement database can be automatically cleaned so that only valid and consistent data is transferred.

5.2.2 Database conversion (migration)

After completing the analysis, the data is transferred in a structured manner and without data loss into the ATMOS Capture Suite 5 database structure:

- patient data (without duplicates)
- measurement data (images and videos, referred to as “movies” in the user interface, as data records)

The data is then immediately available in ATMOS Capture Suite 5.

5.3 External sources of patient data

Important information:

If ATMOSoft, ATMOS Capture Suite 4, or ATMOS Capture Suite 5 receives patient data via PatSoft, or if patient data is imported directly (GDT/DICOM), the measurement databases should **not** be cleaned.



Missing patient data could lead to too many data records/measurements being identified as having no patient assignment.

☞ Migration of the measurement database is not affected and can be performed.

5.4 Prerequisites

- Successfully installed ATMOS Capture Suite 5
- Access to the source databases (ATMOSoft / ATMOS Capture Suite 4)

5.5 Starting the conversion tool

During database conversion, data from ATMOSoft and ATMOS Capture Suite 4 is converted into the ATMOS Capture Suite 5 database structure and added to the database. Newly created ATMOS Capture Suite 5 databases and already used databases can be utilized.

The conversion tool is available in ATMOS Capture Suite 5 by navigating as follows:

This tool can be found in the options (gear icon) under the Conversion tab.

1. Select the source databases (1, 2) and target databases (3, 4). Source database names and storage locations can be found in the ATMOSoft or ATMOS Capture Suite 4 settings.
2. Target database names and storage locations can be found in the ATMOS Capture Suite 5 settings (System tab).



ATMOS Capture Suite 5 – conversion tool window.

5.6 Procedure

5.6.1 Selecting databases

- Click the respective button with the folder icon.
- In the Open dialog box, select the appropriate database file.
- Click Open to confirm.

Repeat this procedure for all four databases:

- Patient database – source (ATMOSoft / ATMOS Capture Suite 4)
- Measurement database – source (ATMOSoft / ATMOS Capture Suite 4)
- Patient database – target (ATMOS Capture Suite 5)
- Measurement database – target (ATMOS Capture Suite 5)

The database storage locations can be found in the respective program settings:

- **Source:** ATMOSoft / ATMOS Capture Suite 4
- **Target:** ATMOS Capture Suite 5 (SYSTEM tab)

5.6.2 Verification of the patient database

After selecting a valid patient database, the number of valid patients is automatically determined and displayed.

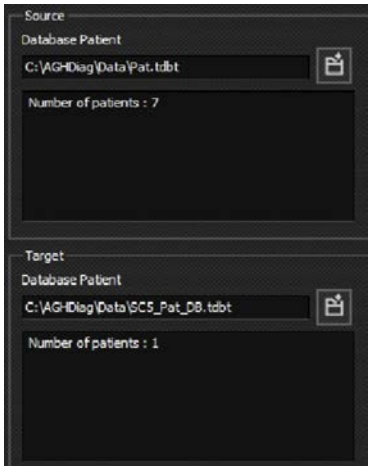
☞ If an invalid database is selected, the following message appears: “No importable patient database”.

If a valid database is selected, the number of valid patients is determined automatically. In the example above:

Number of patients: 7

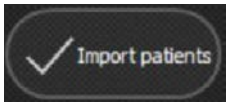
If a valid database is selected, the number of valid patients is determined automatically. In the following example:

Patient database (source)	»	Number of patients: 7
Patient database (target)	»	Number of patients: 1



Example of analyzed source and target patient databases before migration.

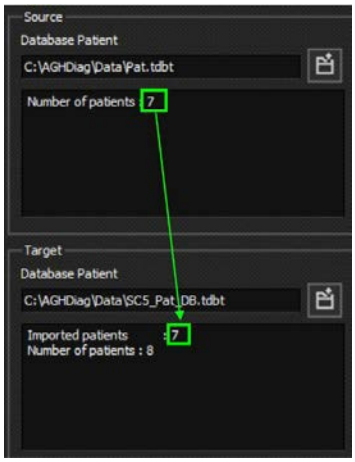
5.6.3 Migration of patient data



Button used to initiate the import of the source patient database.

Click the IMPORT PATIENTS button.

After database migration, the 7 patients from the source database are added to the one patient already existing in the target database. After migration, there are 8 patients in total in the database.



Example of analyzed source and target patient databases before migration.

Status of the source and target databases after conversion. Seven patient records were added to one existing patient data record in the target database.

Patients in the old database		7
Existing patients in the new database before migration	+	1
Total patients after migration	=	8

5.6.4 Migration of measurement databases

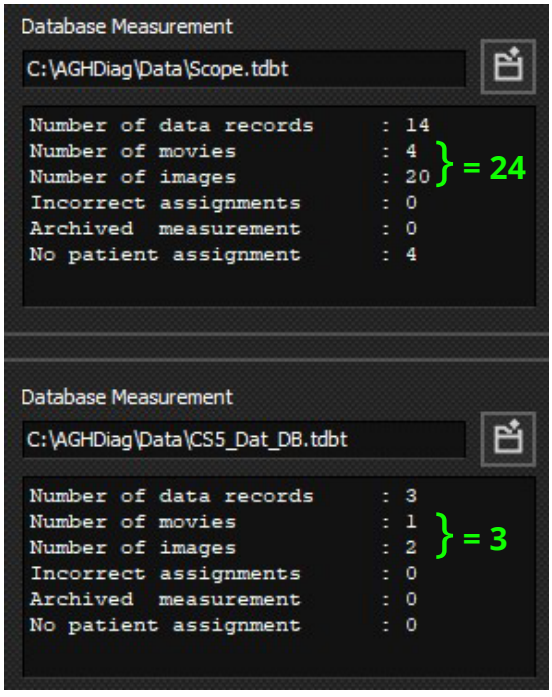
After selecting a valid measurement database, the number of data records (videos and images) contained in it is determined automatically.

In the following example:

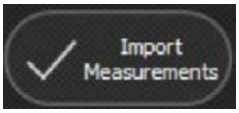
Number of measurements: 14

During these measurements, 4 videos and 20 images were recorded.

In the target database, only the number of videos and images is counted due to the new format. They are added together to give the “Number of data records”.



Example of the analyzed measurement databases before migration.



Button used to initiate import of the source measurement database.

5.7 Result of migration

After successful migration:

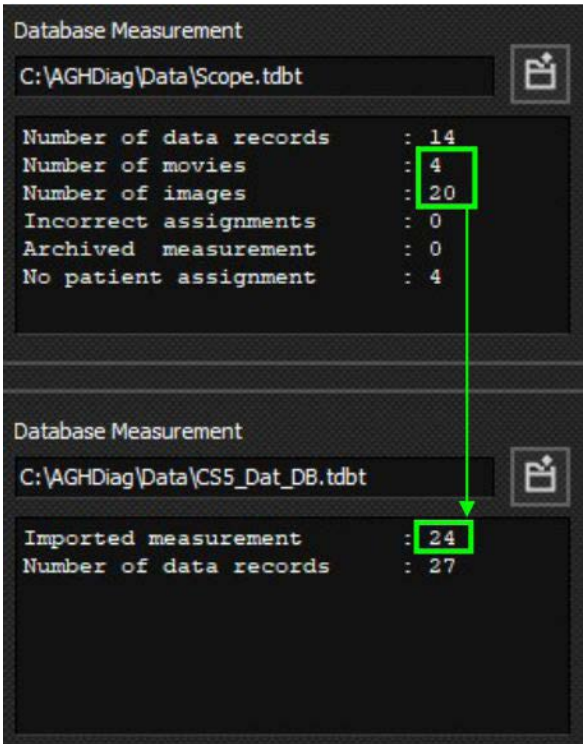
- All valid patient and measurement data are available in ATMOS Capture Suite 5 without data loss
- New data is added to the existing database
- Data integrity is also preserved with repeated upgrades

A new migration is only required if the source data has changed since the last run.

After migration, the videos and images from the source database are added to the videos and images in the target database.

4 videos + 20 images = 24 data records

The number of data records after migration is 27.



Example of the analyzed measurement databases after migration.

Number of videos (old database)		4
Number of images (old database)	+	20
Number of data records (old database)	=	24
Number of existing data records (new database)	+	3
Number of data records (new database) after migration		27

☞ The database conversion described here ensures that existing patient and measurement data is transferred completely, in a structured manner, and without data loss when upgrading to ATMOS Capture Suite 5.

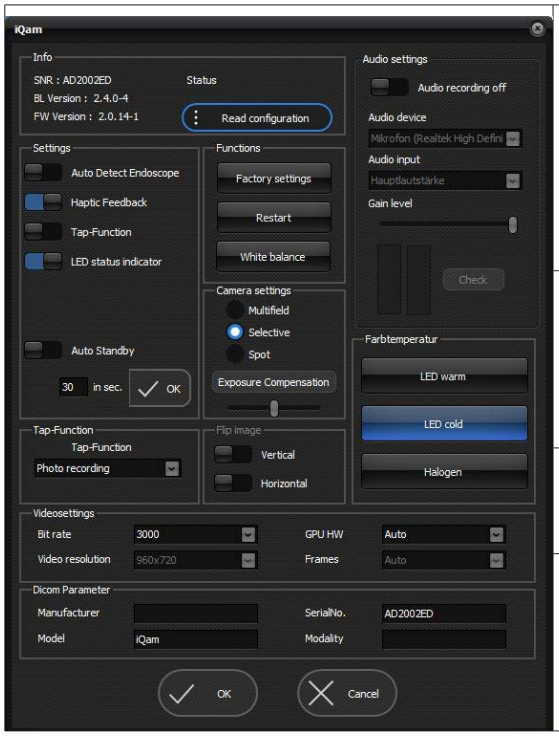
☞ After successful conversion, all valid data is available in the new database structure of ATMOS Capture Suite 5 and can be used without restrictions.

6 Camera management

6.1 Camera configuration

Each camera has an individual settings menu that depends on the features and functions of the device.

6.1.1 ATMOS iQam settings



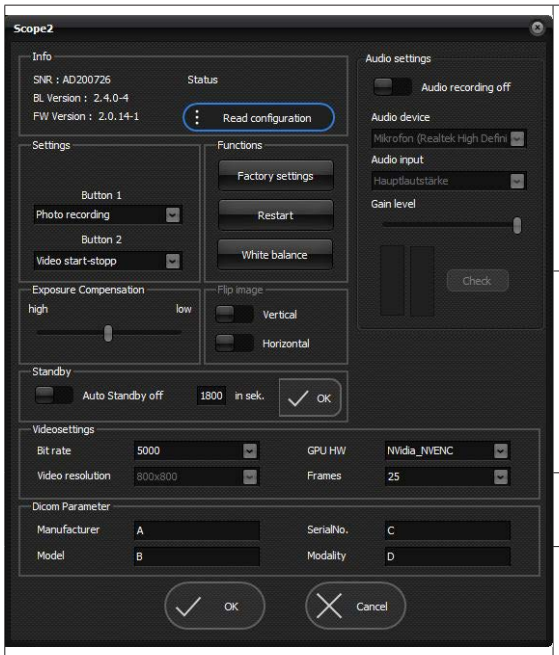
Info: You can find all relevant data on the ATMOS iQam here. By clicking READ CONFIGURATION, you obtain a list of all the relevant information required for a service or to analyze the system. You can use the integrated copy function to easily send this information by e-mail, Teams or other means.

Identifying the endoscope automatically: Activate this option to automatically adjust the display area to the size of the endoscope (large, medium, small).

Video settings: The GPU should be set on the graphics card installed on the PC.

DICOM parameters: If a DICOM integration is installed, work together with the IT department to provide the correct parameters.

6.1.2 ATMOS Scope (HD) settings



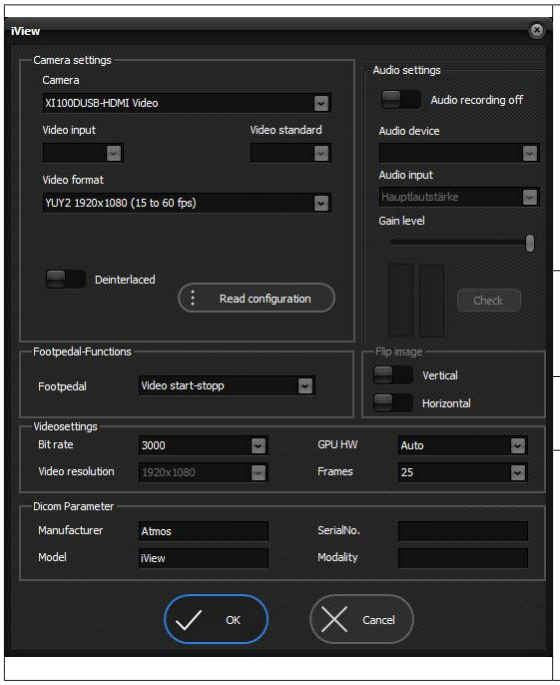
Info: You can find all relevant data on the ATMOS Scope here. By clicking READ CONFIGURATION, you obtain a list of all the relevant information required for a service or to analyze the system. You can use the integrated copy function to easily send this information by e-mail, Teams or other means.

Settings buttons: Definition of the “A” and “B” buttons. If the marking function is set for the “B” button, this function must be activated in the general settings (see chapter “4.1 Basic system settings” on page 12).

Video settings: The GPU should be set on the graphics card installed on the PC.

DICOM parameters: If a DICOM integration is installed, work together with the IT department to provide the correct parameters.

6.1.3 ATMOS i View / HDMI Grabber settings



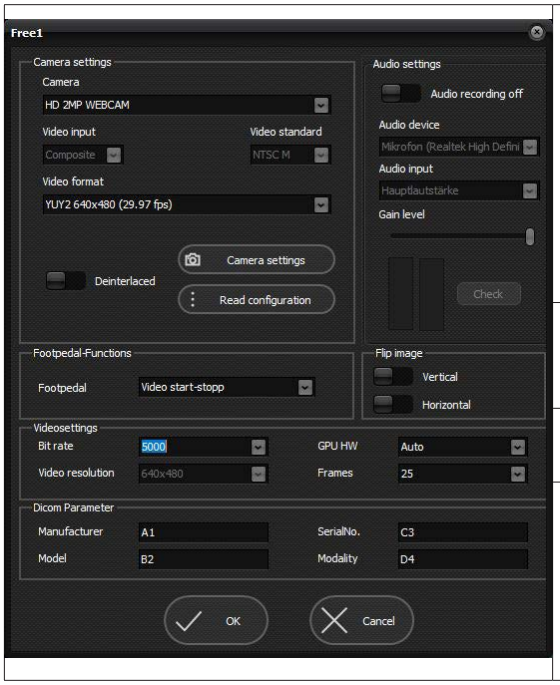
Camera settings: The settings are automatically made by the software if the standard ATMOS HDMI Grabber is used. The video standard (S-Video, Composite, etc.) and the input must be set if other grabbers are used. DEINTERLACING may improve the image quality in some device configurations.

Foot switch: Select "PHOTO RECORDING" or "VIDEO START/STOP", depending on the preferences and workflow of the user.

Video settings: The GPU should be set on the graphics card installed on the PC.

DICOM parameters: If a DICOM integration is installed, work together with the IT department to provide the correct parameters.

6.1.4 Individual camera settings



Camera settings: The camera stored in section 5.7 is displayed here. The settings are automatically filled in if the camera parameters are known to the device manager. The video standard (S-Video, Composite, etc.) and the input must be set if this is not the case.
DEINTERLACING may improve the image quality in some device configurations.

Foot switch: Select PHOTO RECORDING or VIDEO START/STOP, depending on the preferences and workflow of the user.

Video settings: The GPU should be set on the graphics card installed on the PC.

DICOM parameters: If a DICOM integration is installed, work together with the IT department to provide the correct parameters.

7 Putting the software into service

7.1 Installing the software

Only persons who possess the necessary knowledge and are familiar with the product are permitted to install and configure the ATMOS software. A detailed installation plan is available upon request.

☞ **ATMOS recommend** having work carried out only by an authorized ATMOS service partner. This will ensure the software is installed and configured properly.

7.2 Starting the ATMOS Capture Suite

7.2.1 Preparation

The USB dongle (containing the licence information) must be plugged in before the Capture Suite is started. Without the dongle, the software works only with limited functionality.

7.2.2 Putting the software into service

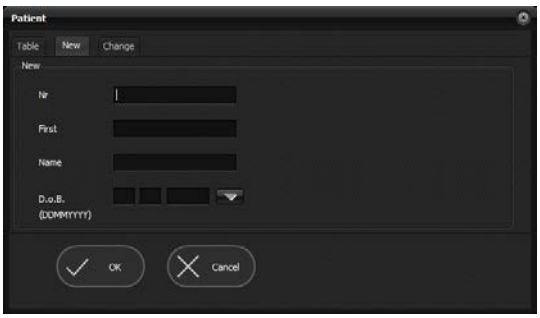
Starting the software:

1. Start the application manually by actuating the icon on the desktop
2. Call up the application via the PMS in combination with GDT (if purchased) or directly using the hot key
3. Start the Capture Suite manually and import the patient data via DICOM (if purchased)

The starting procedure is set up according to the requirements of the user and the workflows. It depends also on the optional equipment and the configuration made by the ATMOS technicians or ATMOS sales staff. Note down your personal starting procedure for the Capture Suite here:

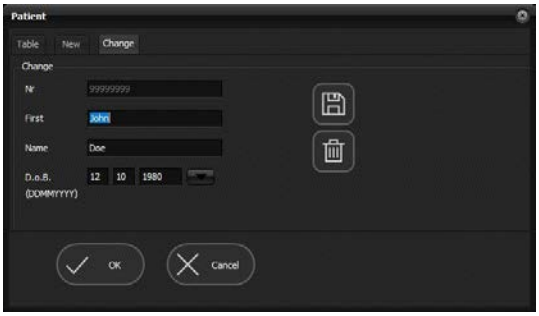
7.3 Patient data

7.3.1 Creating and editing patients without a connection



Creating a patient:

Capture Suite is started and a screen automatically appears. A patient can be created on the "New" tab on the screen.



Changing patients:

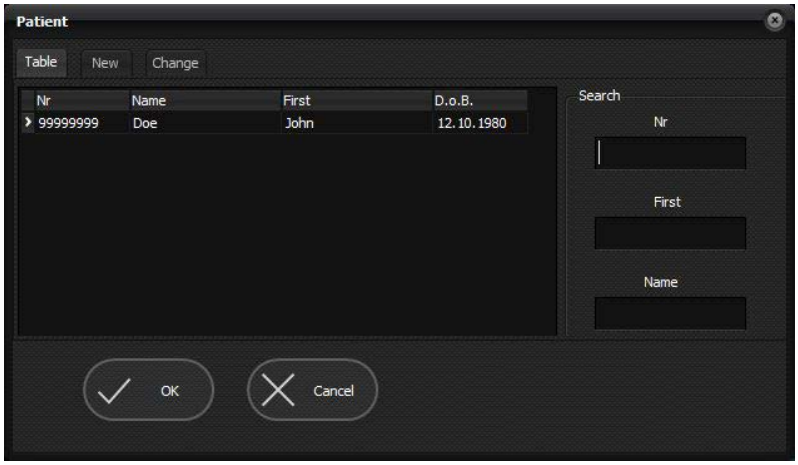
Capture Suite is started and a screen automatically appears. The patient (e.g., the name) can be changed on the "CHANGE" tab on the screen.

7.3.2 Creating and editing patients with a connection

The patient data are automatically taken from the leading system in the event of an existing connection. No manual input is necessary.

7.3.3 Patient search

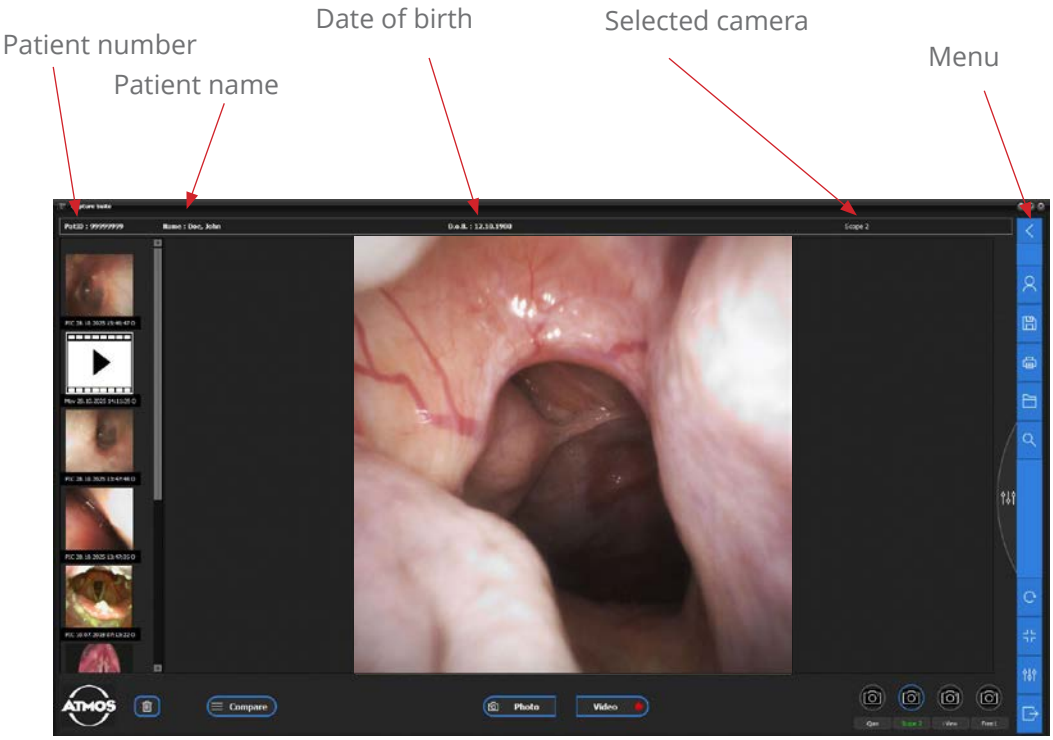
The patient search dialogue is displayed by clicking on the  symbol on the right-hand tool bar. An existing patient can be found by entering selected criteria.



7.4 Medical history (MH)

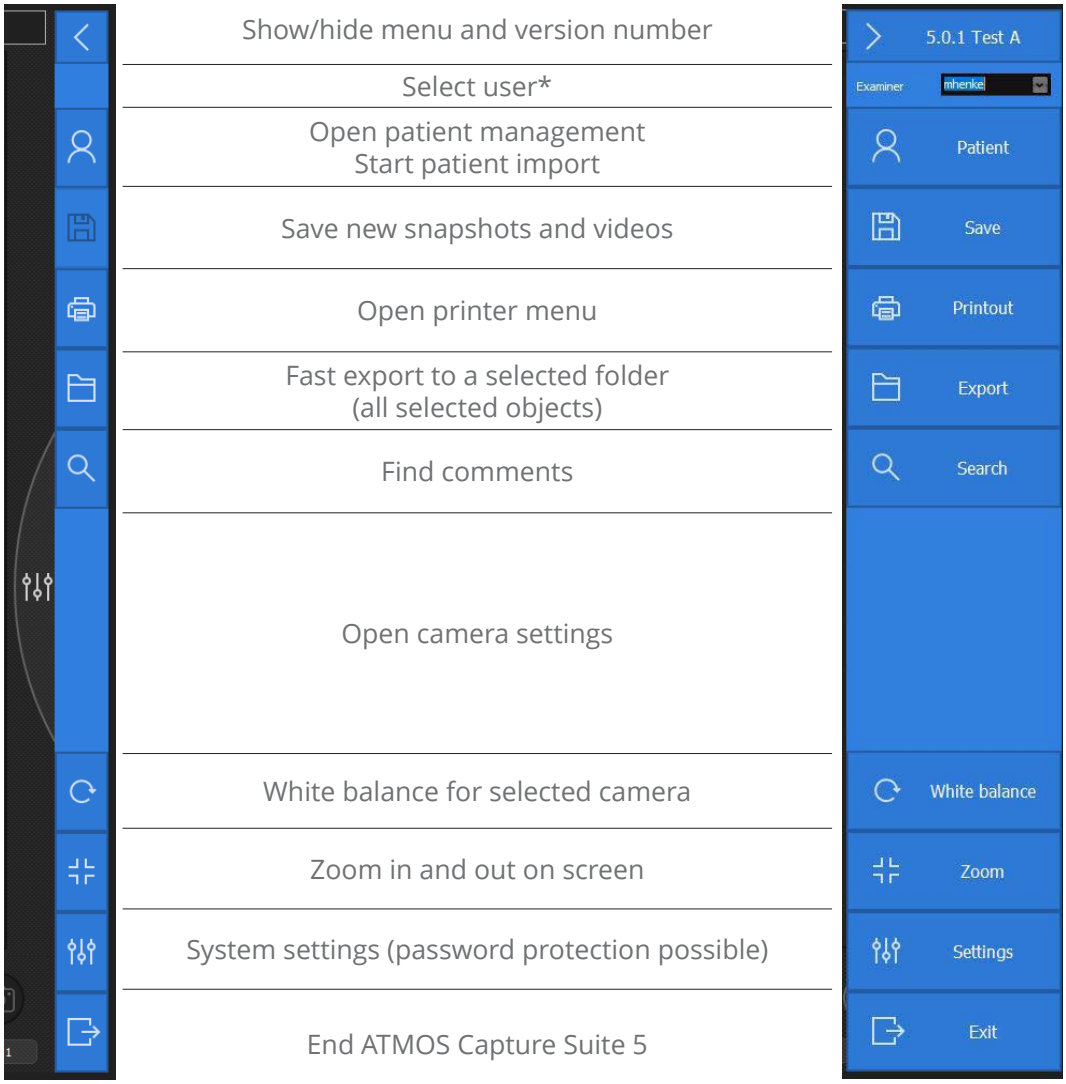
7.4.1 Start screen, selection of the cameras and main menu

Start screen



	Right-click on the snapshot or video to select one or more objects (time stamp turns red) and delete your selection with the recycle bin button.
	The button used for a flexible endoscope in combination with ATMOS iQam. This button is visible only if an ATMOS iQam is connected to the PC.
	Button used to open/switch to comparison mode (4-snapshot mode or one video and two snapshots).
	Snapshot button. If a foot switch is used for the set-up, it will have the same function as the Photo button.
	Start the video recording. The video recording window is automatically opened.
	Selected cameras. The selected camera is indicated by a blue circle around the symbol. The symbol is displayed in grey if the camera is not connected.
	Button used to open the explicit camera settings. Only the settings for the selected camera are opened. To edit the camera settings, first use the buttons to select the desired camera.

Main menu



*Select user:

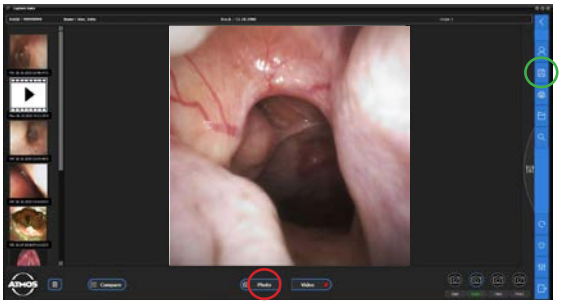
Up to six users or the current Windows user can be selected, depending on the settings.

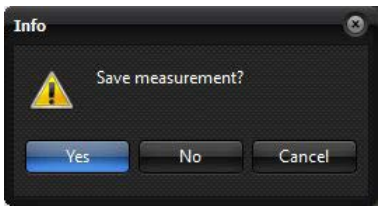
To enable a remote maintenance session, click on the ATMOS symbol. A TeamViewer session will then be started. To manage the Windows settings, make sure the user has administrator rights to delete or install software components.

7.4.2 Taking snapshots

There are several ways of taking snapshots with the ATMOS Capture Suite version 5, depending on the camera used/selected and the hardware connected to the system as well as the PC system used.

Snapshots taken are immediately displayed in the snapshot library. To save snapshots, use the "SAVE" button (marked in green) or click on "END" to end the ATMOS Capture Suite version 5.





You can take a snapshot in the following ways:

Use the SNAPSHOT button on the screen either with the cursor or with the touch function on the touch screen.

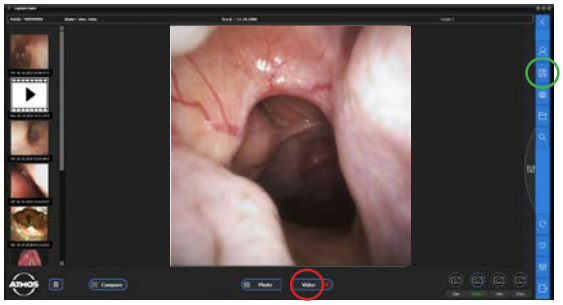
With the foot switch (same function as the snapshot button on the screen).	
Use the "A" or "B" button on the ATMOS Scope (depending on the configuration).	
Use the TAKE SNAPSHOT button on the touchpad of the ATMOS i View 31	
Use the TAP function of the ATMOS iQam, depending on the configuration.	
Use the buttons on the ATMOS VideoScope.	

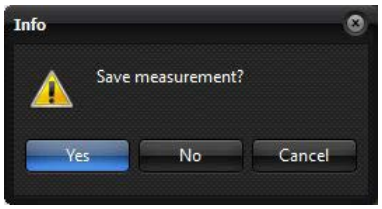
Use the buttons on the ATMOS Video Otoscope.	
Cameras with function buttons that do not come from ATMOS are not supported. We recommend here to use the ATMOS foot switch.	

7.4.3 Recording videos

There are several ways of recording videos with ATMOS Capture Suite version 5, depending on the camera used/selected, the hardware connected to the system and the PC system used.

Recorded videos are immediately displayed in the snapshot library. To save videos, use the "SAVE" button (marked in green) or click on "END" to end the ATMOS Capture Suite version 5.





Use the video button on the screen either with the cursor or with the touch function on the touch screen.

When recording a video, the control panel of the Capture Suite is changed as follows:



The recording time and the recording volume (marked in yellow) provide information on the video parameters. The SNAPSHOT function (marked in green) can be used to take snapshots during recording. The STOP and PAUSE functions can be selected by clicking on them or tapping on them on a touch screen with your finger.

Use the "A" or "B" button on the ATMOS Scope (depending on the configuration) and the STOP RECORDING function. It must be defined in the configuration settings of the cameras during the installation.	
Start/Stop: Use the VIDEO button on the touchpad of the ATMOS i View 31. If the recording is to be interrupted, click on PAUSE during the recording with the snapshot button.	

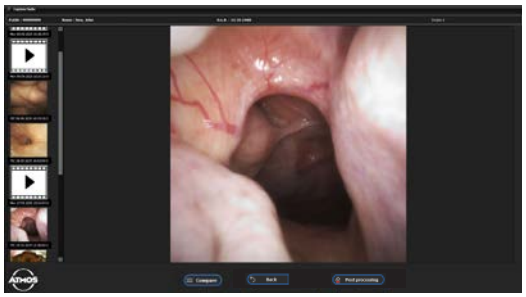
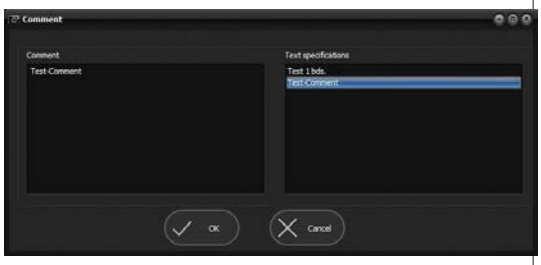
Use the TAP function of the ATMOS iQam, depending on the configuration.	

Cameras with function buttons that do not come from ATMOS are not supported.

☞ We recommend here to use the ATMOS foot switch.

7.4.4 Displaying snapshots and videos from the library

Select the object to be checked by clicking or tapping on it with your fingertip in the snapshot within the scrolling area on the touch screen. The respective viewer is opened depending on the selected snapshot or video.

To open a snapshot, click on it to display it in viewer mode. Comments on the snapshot data can be added and post-editing started here to add marks, pointers or text elements within the snapshot.	
Select a video to open player mode and watch the video. Options for slow, fast and normal playing are available, as well as a snapshot function. Post-editing mode can be started with the CUT button and comments on video files added from here.	
Comments on snapshots and videos can be added. Snapshot comments are included in the report/printout. Comments are used as parameters in the search function. Text modules for drag-and-drop comments can be added as desired. Contact an ATMOS technician if necessary.	

7.4.5 Deleting snapshots and videos from the library



To select any number of snapshots or videos to be deleted, right-click (or touch the touch screen with your finger for a while) in the area of the preview snapshots. The time stamp under the selected object turns red to show that this object has been selected for deletion.
To deselect the object, right-click in the snapshot area (or touch the touch screen with your finger for a while). The time stamp below is displayed in black and white again. Click on the recycle bin symbol or tap on it with your finger (marked in red on the left). Check whether the number of objects to be deleted is correct before confirming the deletion process.

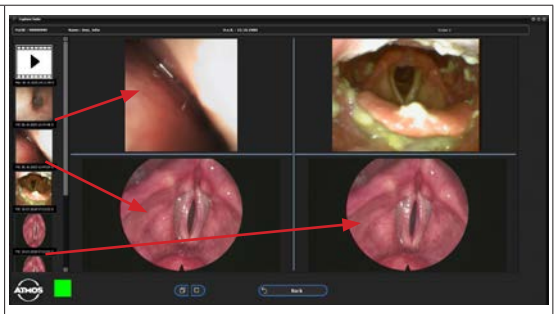
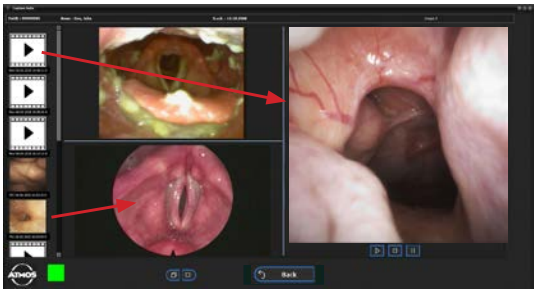
Important: Objects that have been deleted cannot be restored.

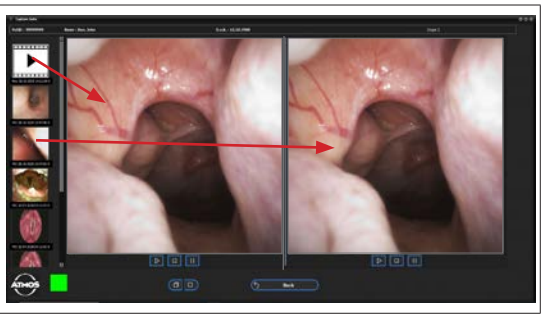
7.4.6 Comparing snapshots and videos



ATMOS Capture Suite version 5 allows four snapshots, one video and two snapshots, or two videos to be compared on the screen. To open comparison mode, click on the COMPARE button or tap the touch screen with your finger.

☞ The COMPARE start screen is opened always in four-snapshot comparison mode.

To compare (up to four) snapshots, drag the snapshot from the library onto the left side in the quadrant in which the snapshot is to be placed. To have a different snapshot in this area, drag a different snapshot to this position.	
To compare up to two snapshots and one video, drag a video into the top left or right comparison area. The screen is adjusted automatically as shown in the right figure. To start and stop the video, use the buttons under the displayed video.	

To compare two videos, drag a video into the top left area and another video into the top right comparison area. The screen is adjusted automatically as shown in the right figure. Both videos can be started and stopped individually	

☞ In comparison mode, the function bar changes to the configuration shown below.

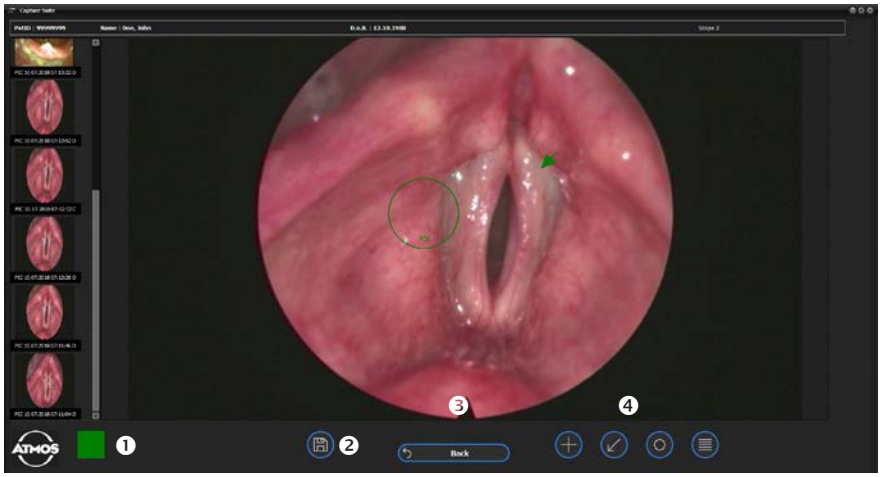


❶	To highlight certain areas within a snapshot, simply draw free lines within the snapshot with the mouse (left mouse click) or your finger. The colour can be changed by selecting a colour next to the ATMOS logo.
❷	These buttons can be used to switch a second monitor/screen on or off to display the comparison screen on a second monitor. This monitor may be a patient monitor or a monitor for training/assistance purposes.
❸	You can close comparison mode and return to the main screen by clicking on the BACK button or tapping on it with your fingertip. All marks are deleted! The marks are intended only for temporary reporting purposes.

7.4.7 Post-editing snapshots



This button is activated when you select a snapshot from the library. Click or tap on it to open snapshot editing mode.



❶	Select the colour for markings, pointers or text to be added
❷	Save snapshot with marks, pointers and text
❸	Close the editing window
❹	From left to right • Fixate text or marks • Line selection tool • Circle selection tool • Add text

Marks and text elements must be created individually. When the mark, pointer or text is in the desired size at the final position, press the “+” button to fixate the position.

To enlarge or reduce the size of the mark, pointer or text, use the mouse wheel or two fingers on the screen to pull it together or apart.

To move marks, pointers or text, click or tap on the point where you wish to add it.

To insert text in the snapshot, click (or tap) on the Text button. A Comment window appears in which you can enter the text. Click on OK and then on the point where you wish to insert the text. Move the text by clicking on a different point in the snapshot or tapping on it with your finger. Fixate the text with the “+” button.

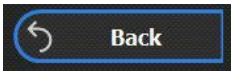
Use the Save button to save the snapshot with marks in the library. The snapshot is saved as a copy or the original snapshot is replaced, depending on the settings. If a copy is created, the original snapshot will be assigned the letter “O” with the time stamp, and the copy the letter “C” and the same time stamp as the original snapshot.

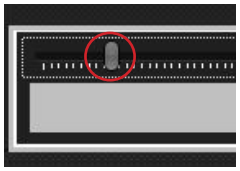
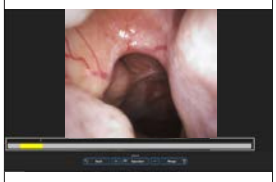
7.4.8 Post-editing videos



This button is activated when you select a snapshot from the library. Click or tap on it to open snapshot editing mode.

You can use the video editor to select the passages that are to be kept from a video, while deleting the passages not selected. The passages to be kept are joined at the end of the procedure.

	Return to the start screen
	Select the video passage to be kept in order to join it.
	Select the start and end point for the area to be connected.
	Delete the selected passage from the selection to be joined.
	Complete and join the videos after selecting the selected passages

	The pointer can be moved with the mouse or your finger on the touch screen.
	To select the video passage to be retained in order to join it at the beginning and set the cursor, press the space bar (tap on the space bar on the touch screen).
	The selected area is marked in yellow on the time line.

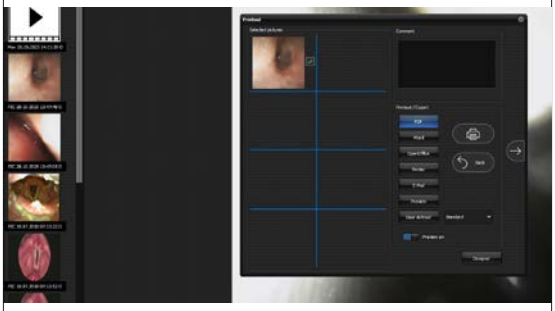
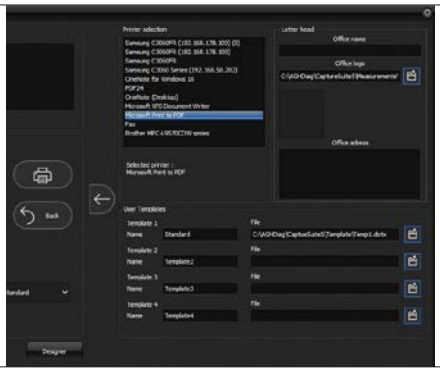
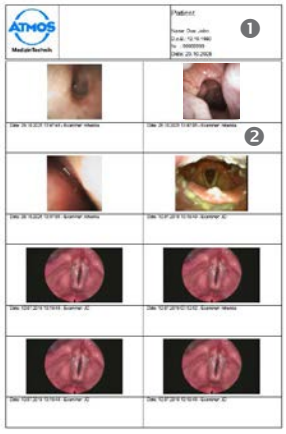
	Click on the “+” button to add the selected area in order to join it.
	Select further passages to be retained in order to be joined.
	As soon as all passages to be saved are underlined in blue, click/tap on MERGE to delete all unmarked passages and create a new video.
	To delete a marked passage, click/tap on the passage to colour the mark in red and then click/tap on “–” to delete it.

7.4.9 Printout and report

Important: A printout is always a report, never an individual snapshot.

To print a snapshot file from the library, the snapshot must be exported into a selected folder (fast export function in the main menu). The snapshot can be printed or opened with graphics software installed on the PC from there.

To create a report, select the PRINT option in the main menu on the right side of the main screen. The printing menu is opened on the screen. Up to eight snapshots can be included in the report. Drag the selected snapshots from the library onto the printing form. Select the following report format:

	To create an MS Word or Open Office report, the respective software must be installed on the PC. The software is automatically opened by clicking/tapping on the PRINT button with the print preview activated. The report is printed by the selected printer (see below for printer set-up) if the PRINTER option is selected. The printout is printed in up to four user-specific MS Word template formats if USER-DEFINED is selected. Ask your ATMOS partner to integrate your customized template.
	Settings for the selection of the printer (all printers installed in the device manager can be selected). The name of the hospital/practice, company logo and address, telephone number, etc. must be added in this configuration. The names of the templates and the storage location of the folder with the MS Word templates must be added in the USER TEMPLATES section.
	❶ The report (standard PDF, MS Word, Open Office or printout) is as illustrated on the left. The patient information, the hospital logo and additional information are automatically added. ❷ The snapshot time stamp, examiner and comments (provided they have been added to the snapshot in the software) are automatically added to the report.
☞ Customized templates provide great flexibility for different types of reports for different examination procedures.	

7.5 Special settings

The software has some functions for the support of special examinations with pre-set hardware connected to the ATMOS Capture Suite.

7.5.1 ATMOS Scope Marker for FEES or other functional examinations

There is a special configuration, in which the “A” and “B” buttons are pre-defined in the function to meet, for example, the requirements for swallowing diagnostics (dysphagia). This configuration must be made during the installation.

☞ Contact your ATMOS partner if you need this function.

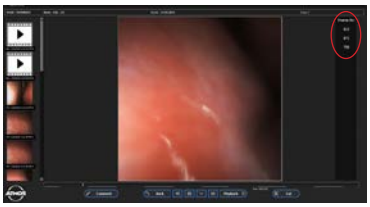


❶ Start/stop video

❷ Set mark



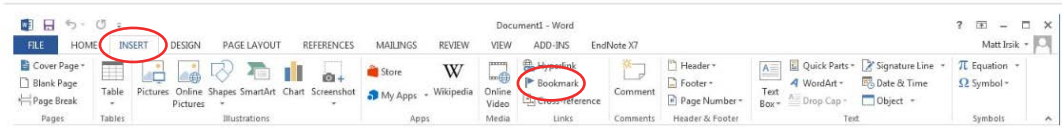
The current frame is added each time the “B” button is pressed.

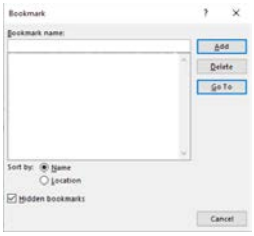


To go to the saved frame, click/tap on the number on the screen. The time marker automatically jumps to this snapshot. This is very helpful for long examinations with only a few events and helps to edit the video within a short time.

8 Creating a Word file

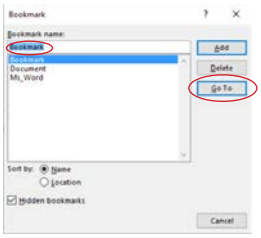
Open a new Word document





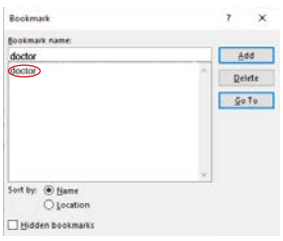
Select INSERT and then click on BOOKMARK.

A new window appears in which you can enter the bookmarks from the table.

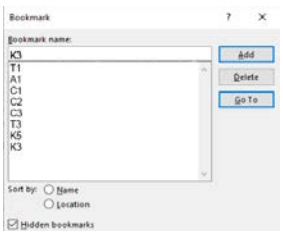


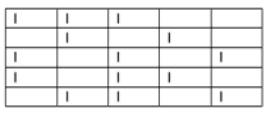
Position the cursor in the Word document, enter the name of the bookmark you wish to insert and click on ADD.





You can see here the position of the two bookmarks inserted in this template.

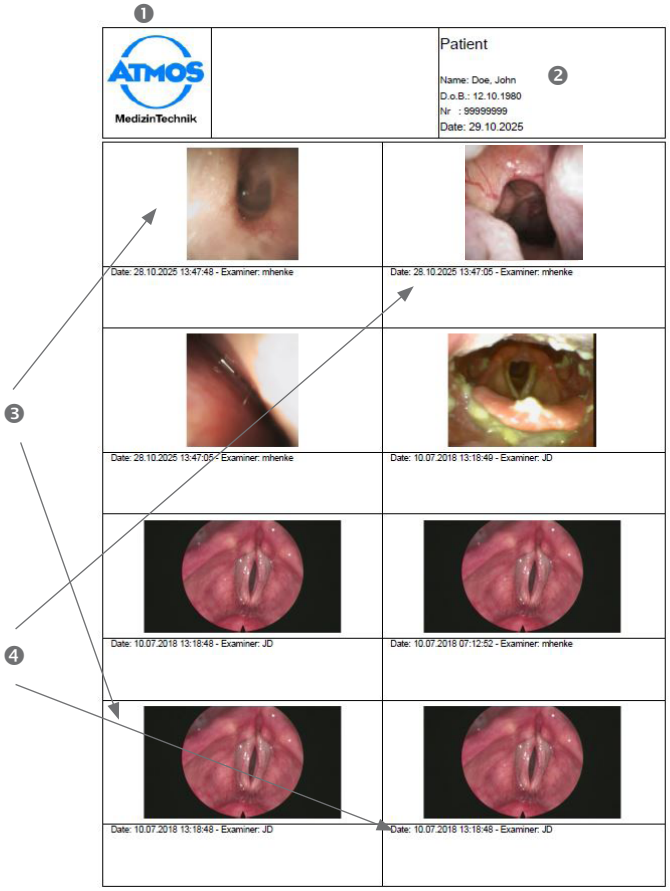




Example with all bookmarks integrated in a table. This is also a way of creating an individual report.

The advantage of using Windows Office is the flexibility provided by the software.

8.1 Template example with bookmarks



❶ Logo as stored in the software Capture Suite 5

❷ Patient data in snapshot format

❸ Examination snapshots

❹ Name from the Capture Suite software settings

9 Troubleshooting

Error symptom	Possible cause	Remedy
No image	Incorrect camera settings	Make sure the camera is set up correctly in ATMOS Capture Suite
	USB not connected	Connect the USB cable
	The USB connection is switched off due to the active energy-saving options	Make sure the power supply of the USB connection is never interrupted
Buttons on the ATMOS Scope not working	ATMOS Scope is not connected correctly	Check whether the ATMOS Scope is connected properly
	Incorrect ATMOS Scope settings	Make sure the ATMOS Scope is set correctly
	USB not connected	Connect the USB cable
PDF export not working	Adobe Acrobat Reader is not installed	Install Adobe Acrobat Reader
	Incorrect PDF export settings	The correct settings must be made
Word export not working	Microsoft Word is not installed	Install Microsoft Word
	Incorrect Microsoft Word export settings	The correct settings must be made

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