MEDMONT STUDIO 7 RELEASE NOTES

Release Date	Type	Release Version
1 Dec. 2022	Patch	7.2.8
5 July 2022	Patch	7.2.7
16 Dec. 2021	Patch	7.2.6
18 Jun. 2021	Patch	7.2.5
30 Apr. 2021	Patch	7.2.4
16 Mar. 2021	Patch	7.2.3
18 Jan. 2021	Patch	7.2.2
11 Nov. 2020	Release	7.2.1
Contact Medmont for notes on releases prior to 7.2.1 at support@medmont.com.		

NOTICE FOR USERS UPDATING FROM A VERSION OF STUDIO 7 OLDER THAN 7.2.1

During the upgrade process some users will receive an error message like the following:

Error: Access to the path C:\Program Files\Medmont\medmont Studio\7\packages\xxxx.xxxx.xxx.nupkg is denied.

The only option from this error message is to click the OK button. This is completely safe and is corrected in all future updates when the update process to 7.2.1 or later is completed.

SUPPORTED LANGUAGES

CHINESE SIMPLIFIED

DUTCH

FRENCH

GERMAN

ITALIAN

SPANISH

US ENGLISH

MEDMONT STUDIO 7 VERSION NOTES

MEDMONT STUDIO 7.2.8

DICOM

- Support for multiple character sets in DICOM

Medmont meridia™

- Support for Peak IDS camera

Medmont meridia™ & E300

- KATT Moonlens Orthokeratology contact lens added to contact lens module

MEDMONT STUDIO 7.2.7

Medmont Studio

- Moved storage of user manuals online to reduce software download size
- Fixed: Issue where linked applications would not receive exported exam images from Medmont Studio
- Added documentation to the Links folder on how to create and install Medmont Studio linked applications

DICOM

- Fixed: Clicking the add job button could cause an unhandled exception on some DICOM configurations.
- Improved DICOM query response handling of exception cases, such as search queries returning too many results.

Medmont meridia™

- Updated uEye camera to driver version 4.96

Medmont meridia™ & E300

- Renamed "ICD Clearance" contact lens colour scale to "Scleral Clearance".
- For composite captures, reviewing the composite map now uses the intended colour scale.

DV2000

- Fixed: Concurrent access to an image file being used by the File Watcher image source could cause an unhandled exception.
- Added UDI reference to the about box for DV2000 installations.

MEDMONT STUDIO 7.2.6

Medmont Studio

- Fixed: searching for a patient by DOB can cause the software to become unresponsive

Medmont meridia™

- Bausch & Lomb Zen DX scleral contact lens design added to contact lens module
- Updated Medmont meridia™ HID API SDK to improve support for various USB chipsets

MEDMONT STUDIO 7.2.4 & 7.2.5

Medmont Studio

- Improved stability and handling of connectivity during installation

Medmont meridia™

- Medmont meridia™ firmware update functionality added to Medmont Studio
- Further improved pupil detection on topography and tear film exams.
  - Resetting analysis on a saved meridia exam will apply the improved pupil detection.

medmont meridia™ and E300

- Corrected the profile graph's scaling factor when viewing Elevation Maps.

MEDMONT STUDIO 7.2.3

Medmont Studio

- Corrected bug in installer for 32-bit installations

medmont meridia™

- Medmont Studio will now only attempt connections to medmont meridia™ devices that contain a registered camera serial number. This is to avoid incorrect connections to other devices containing the same model camera.

DV2000

- Improved speed when copying compressed video exams.
  - Copying of compressed video exams from one patient to another now copies both the database record and content files.
  - Moving the exam to another patient only moves the database record but does not create a new copy of the content files.

MEDMONT STUDIO 7.2.2

Medmont Studio

- Installer now detects and warns the user if the required Microsoft Windows "Media Foundation" roles is missing for Windows 10 and Server 2016 or newer installations.
- Corrected online installation update for Medmont Studio server installation.
- Improved find patient dialog opening time by removing an unnecessary initial search query on opening.

medmont meridia™ and E300

- Added attribute "Average K @ 3mm" to the list of available attributes.
- Corrected bug where selecting evaluate all attributes may result in a closure of the software.
- Corrected bug when changing the options of a particular combination view would affect other views.
- Corrected bug where adding a pupil to a recently captured topography exam would occasionally cause an unhandled null reference exception.

- Corrected bug where adding tear meniscus height (TMH) annotation to exams could occasionally cause an unhandled null reference exception.
- Tear film exams will no longer show Topography annotations. Annotations that are designated for team film exam types will be shown.

medmont meridia™ and DV2000

- Corrected bug when capturing an image and then returning to Medmont Studio resulted in a blank screen.
- Corrected bug where software would lock-up under certain conditions when saving a single image capture
- Accessing the details view from the capture screen for video exams no longer causes an "Unhandled Exception".
- Removed unneeded Leutron based drivers and packages from install files.

MEDMONT STUDIO 7.2.1 (AND EARLIER)

Medmont Studio

- Updated user interface with new icons and consistent style.
- New start page for quick access to user manuals and training videos.
- New icon added to return to start page from any page.
- Installation will now detect if previous version of Medmont Studio is present but hasn't been updated to a compatible version before attempting to do an upgrade.
- Supports 64-bit version allowing for larger videos and color topography.
- A list of all compatible Medmont Studio servers on the network is now presented during an installation.
- Will only download the necessary components and languages to a PC, improving bandwidth optimization.
- Enables users to anonymously export hash-coded patient names and date-of-birth for better privacy security
- Ability to import multiple .mxf/.mcf files simultaneously.
- An export provides an option to split data into separate files for each patient.
- Improved usability of drawing circle annotations
- Added support for the new medmont meridia platforms (Professional and Classic).
- Metadata is now stored across all exam types including E300, medmont meridia, and M700 exams. This can be viewed on the exam details tab.

- Improved search performance for large databases. Selecting to filter by exam presents a blank list with a search dialog ready to set the criteria for displayed exams.
- Changed default patient birthdate from year 1990 to 1900.

medmont meridia™

- New: Dry Eye reporting application has been added to Medmont Studio. Enables collection and consolidation of exam information (Exams, Data, Grading, Commentary, and Images) into a printed or stored report format with an interactive live report for patient consultations.
- New: pupil annotation has been added to the list of available annotations for digital image captures.
- New: Tear Meniscus Height (TMH) ruler attribute has been added for digital image captures allowing the user to measure the TMH at multiple points and present an average value.
- New: Ability to return to factory default capture setting for all medmont meridia based image sources, including camera and illumination settings.
- Improved topography centering algorithm for better capture performance in topography and tear film capture modes.
- Corrected meridia/Keeler slit lamp device clashes.
- Medmont Studio now recognizes the unique device connected and will not start an examination with an incorrect calibration
- New single click processing to enhance Meibography images
- Added a caution reminder in the software to alert users of the implications of using bright illumination on at risk patients.

medmont meridia™ and E300

- The units for attributes in the Analysis Dialog can be toggled between diopters and millimeters where relevant.
- Improved pupil detection on topography exams.
- Pupil annotation is now drawn with a circle tool as a workflow improvement.
    - Post modifications of the pupil annotation can still be made by altering individual points.
- Changed the pupil annotation from black to white for better clarity on color images.
- New standard exam category has been added for exams titled: "Post Ortho-K"

- Improved the tear film breakup module to reduce the incidence of incomplete captures. It now ignores any additional blinks within 2s of the exam start. The exam start time will be reset to the point of the additional blink.
- Corrected random software lockup bug when changing the transparency of a topography map.
- Made calibration window size adjustable to improve ease of use.
- Improved the identification of the color scale button.
- Auto TBUT reference line is now enabled by default.
- Changed Auto TBUT reference line from yellow/orange to blue for better visibility.
- Improved combination view by using a darker color to indicate the currently selected exam helping to determine which exam view display options it will affect
- Tear film exams accessible with Linked Applications.
- New color scales to improve identification of key features in Ortho-K maps.

medmont meridia™ and DV2000

- New focus aid allowing the user to zoom in on a particular section of the live preview to better adjust the camera position and focusing (adjustable from 2-10x magnification).
- External capture dialog displays three (3) most recently captured images alongside the live preview, reducing the need to switch between the review and live preview display modes.
- Support for capture, storage and exporting of video exams in compressed format. The supported compression codec is h264 and the level of compression is configurable on a per video basis.
- New exam grading module allows comparison of any image stored in Medmont Studio with standardized grading scales. Choice of grading scales, including Meiboscale, Efron, and BHVI for all images captured with both medmont meridia and other supported digital still image sources.
- Improved workflow allows users to complete their captures before post-processing/enhancing them. The Capture software no longer automatically displays the image menu when a new image is captured.

E300 and DV2000

- Leutron support has been removed from Medmont Studio due to a lack of vendor support.

DV2000

- Keeler image source added camera settings: gamma, master gain, RGB gains, and black level
- Allow camera setting dialog to float and switch to semi-transparent when unfocused, to provide easier camera settings adjustment with live view visible.
- Deprecated DV2000 image sources removed due to lack of vendor support: Twain, Flashbus, and WIACapture

If required, please contact Medmont for detailed version notes prior to 7.2.1 at support@medmont.com