

MoleMax HD

DIGITAL SKIN IMAGING SYSTEM

The best practice for the best patient care



The most sophisticated MoleMax yet, the MoleMax HD is a user friendly device jointly developed with dermatologists and other clinicians for world wide use in dermatology and general practice.

- ▶ User friendly software developed by clinicians for clinicians.
- ▶ Auto-focus for 3 modes of imaging: Macro, Close Up and DELM (Dermoscopy mode).
- ▶ Micro adapter with unique patented light polarisation enabling: 20x, 30x & 40x zoom (optional adapter available with 100x zoom).
- ▶ Improve your productivity with: quick and simple follow-up/trending, automatic alerts, reminders, multi-user work environment, staff assisted imaging sessions.
- ▶ Increased patient participation with two 23" flat-screen colour LCD monitors with HD resolution.
- ▶ MoleMax HD equipment trolley for easy mobility with integrated Windows PC.
- ▶ 2.5 inch screen on back of camera providing live video with digital image transfer via HDMI plus mouse controls on handle.
- ▶ Automatic or manual lesion scoring.
- ▶ Generate reports or PDF or PMS export.

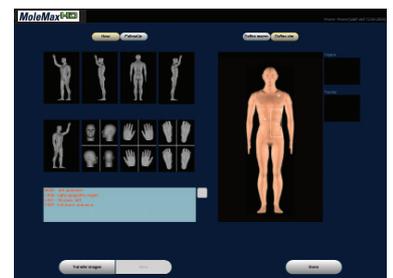
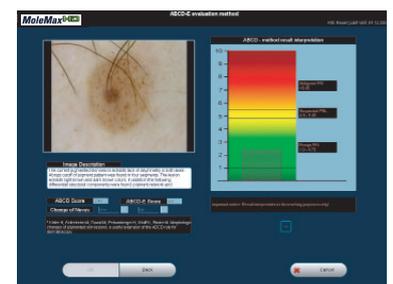
NEW MoleMax HD Software Features Available

Links with your Practice Management Software (PMS)
Generated PDF report auto-links to patient notes.
One-Off Fee. No subscriptions required,
no hidden cost. Free Local Storage.



Have full control over your patient data in a closed network
Customised Patient Reporting Patient Report Features:

Patient Details, Lesion Clinical Observations, Location, Provisional Diagnosis, Suggested Management, Procedure Date, Histopathology Report, Final Diagnosis, Comments, Next Appointment Date.



Free call **1800 810 074**
sales@molemaxsystems.com **molemaxsystems.com**
301 Catherine St, Lilyfield NSW 2040 Australia
MoleMax Systems is a division of Macquarie Medical Systems Pty Ltd



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Which MoleMax System is best for you?

MoleMax Range Comparison Matrix*

Software Features	MoleMax HD PRO	MoleMax HD	MoleMax HD Mini/Modular	SkinDOC	MoleMax Plus	PhotoMAX
All Skin Library	Included	Included	Included	Included	Included	Included
Practice Management System Link & Reporting Integration	Included	Included	Included	Included	Included	Optional
Software Operation via Mobile Tablet	Included	Optional	Optional	Optional	Optional	Optional
Touch Screen Operation	Included	Optional	Optional	Optional	Optional	Optional
SQL Database Upgrade and Related Benefits	Optional	Optional	Optional	Optional	Optional	Optional
Comparative Screening / Follow Up	Included	Included	Included	Included	Included	Included
One Click Automatic BackUp	Included	Included	Included	Included	Included	Included
MoleMax Go Integrated Phone App(Android / IOS Apple)	Optional	Optional	Optional	Optional	Included	Optional
Live Video High Definition (HD) Camera Imaging	Included	Included	Included	Included	via Mobile Phone	Optional
Live Digital SLR Camera Imaging	Included	Optional	Optional	Optional	Optional	Optional
Mole Scoring Expertizer Plus Scoring Aid	Included	Included	Included	Included	Included	Included
Lesion Measurement Aid	Included	Included	Included	Included	Included	Optional
Automatic Mole Scoring (MoleExpert Micro)	Optional	Optional	Optional	Optional	Optional	Optional
Automatic Mole Mapping (MoleExpert Macro)	Optional	Optional	Optional	Optional	Optional	Optional
Monitoring / Trending Follow Up	Included	Included	Included	Included	Included	Included
Thumbnail Follow Up	Included	Included	Included	Optional	Optional	Optional
Clinical Audit and Quality Control	Included	Included	Included	Optional	Optional	Optional
Total Body Mapping (Live Images)	Included	Included	Included	Optional	via Mobile Phone	Optional
Total Body Mapping (Import Images)	Included	Included	Included	Included	Included	Included
CosMax Module	Included	Included	Included	Optional	Optional	Optional
Education and Research Module	Included	Included	Included	Optional	Optional	Optional
Trichoscan Module	Optional	Optional	Optional	Optional	Optional	Optional
Additional User Licence on networked laptop	Included	Optional	Optional	Optional	Optional	Optional
Multi-User Licence	Optional	Optional	Optional	Optional	Optional	Optional

Hardware Features	MoleMax HD PRO	MoleMax HD	MoleMax HD Mini/Modular	SkinDOC	MoleMax Plus	PhotoMAX
HD Macro Camera for Close Up and Body Imaging	Included	Included	Included	Optional	Optional	Optional
High Resolution Digital SLR Camera and Interface	Included	Optional	Optional	Optional	Optional	Optional
HD Micro Camera for Dermoscopic Imaging (30x)	Optional	Optional	Optional	Included	Optional	Optional
Polarised Adapter (20/30/40x) for Dermoscopic Imaging	Included	Included	Included	Optional	Optional	Optional
Polarised Adapter (60/80/100x) for Dermoscopic Imaging	Optional	Optional	Optional	Optional	Optional	Optional
Non-Polarised Adapter (20/30/40x) for Dermoscopic Imaging	Optional	Optional	Optional	Optional	Optional	Optional
Non-Polarised Adapter (60/80/100x) for Dermoscopic Imaging	Optional	Optional	Optional	Optional	Optional	Optional
Networked Windows Surface PRO Tablet or Laptop	Included	Included	Included	Optional	Optional	Optional
USB 3.0 Back Up Hardware	Included	Included	Included	Mini PC Option	Mini PC Option	Mini PC Option
2nd Back Up Storage Drive	Included	Included	Included	Optional	Optional	Optional
Full Spec Intel i7 PC with High Speed Hard Drive	Included	Included	Included	Mini PC Option	Mini PC Option	Mini PC Option
Full Spec Intel i5 PC with High Speed Hard Drive	Optional	Optional	Optional	Mini PC Option	Mini PC Option	Mini PC Option
Trolley Design for Mobility with Monitor Mounting	Included	Included	Optional	Optional	Optional	Optional
Camera Docking Station	Included	Included	Included	Included	Optional	Optional
23 Inch LCD Screen	Optional	Optional	Optional	Optional	Optional	Optional
2 x 23 Inch LCD Screens	Optional	Included	Optional	Optional	Optional	Optional
2 x 23 Inch LCD Touch Screens	Included	Optional	Optional	Optional	Optional	Optional
Keyboard	Included	Included	Included	Optional	Optional	Optional
Mouse	Included	Included	Included	Optional	Optional	Optional
Automatic Total Body Mapping Stand	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Optional	Optional
Manual Total Body Mapping Stand	Included	Optional	Optional	Optional	Optional	Optional

FEATURE KEY:	Included	Optional	Not Available
	Included	Optional	Not Available
	Included	Optional	Not Available
	Included	Optional	Not Available

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Hardware Features



High Definition Video Camera

This camera is only available with the MoleMax HD. It uses Sony technology to capture the maximum image resolution available with the HD image quality. The camera has an integrated LCD screen to streamline the screening process. Variable adapters are available for zoom functions up to 100x.

The camera is easily controlled via the buttons on the back allowing for zoom, light and all mouse controls. The camera allows for 3 types of images:

Macro mode: Macro and close up images can be taken with a live video preview on screen. There is a light source on the camera as well as mouse controls on the back of the handle to provide quick, effective use.

Micro mode (NO OIL): With a simple click of an adapter, you are able to view polarised images of your patients lesions with magnifications of 20x, 30x or 40x zoom. No immersion fluids are required as the adapter uses patented polarised light technology to go beneath the skin to capture an image. Also available is our high magnification adapter with 60x, 80x or 100x zoom.

Micro mode (OIL/FLUIDS): If you prefer to use oil, we give you that option also. Available is a standard non-polarised adapter (20x, 30x 40x zoom) or a high magnification non-polarised adapter (60x, 80x, 100x zoom).



Interchangeable adapters that may be used with DermDOC and MoleMax Macro Cameras.

From left to right: Non-Polarised 20, 30, 40x adapter (optional), Non-Polarised 60, 80, 100x adapter (optional), Polarised 20, 30, 40x adapter (standard), 60, 80, 100x Polarised adapter (optional).

High Res Digital SLR Camera & Adapter

A Canon SLR is available with the MoleMax HD, Automatic Total Body Mapping Stand and PhotoMAX PRO systems.

It connects to the system via USB and provides a live image on screen before capture. This camera may also be mounted onto our body mapping stand. The high resolution digital camera can also be connected to your dermatoscope for live imaging with your MoleMax.



DELM Method Advanced by MoleMax Technology



Digital Epiluminescence Microscopy (DELM) using polarized light with options for wet and dry dermoscopic imaging.

Even an experienced dermatologist finds it difficult to distinguish between a benign and a malignant mole in the early stages. A more detailed and precise diagnosis requires skin surface microscopy.

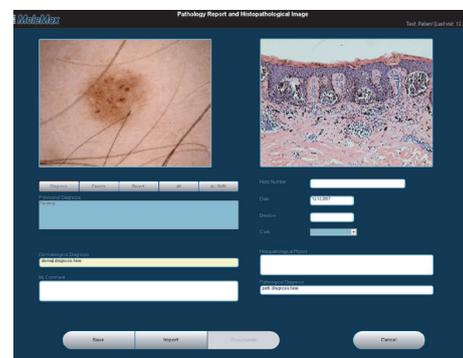
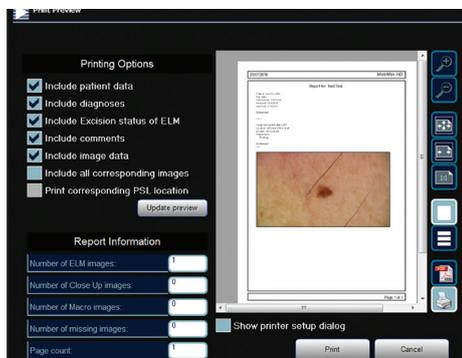
The method of epiluminescence microscopy opens up a new view of morphological features, colours and patterns not seen in an examination with traditional skin surface microscopy. The University of Vienna Medical School in Austria has pioneered the introduction of this advanced method.

The MoleMax developers advanced this technology even further by developing the only fully hygienically dermoscopy method available, using cross polarised light.

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Software Features



Data Back Up & Export:

The MoleMax and SkinDOC systems runs perfectly within most clinic networks. Data can be stored and backed up on a clinics' server. Where a spare server is not available, the MoleMax is equipped with ports for external backup. Patient images and files may also be exported from the MoleMax system into practice management software.

All Skin Library:

The All Skin module is a diagnosis library filled with images and descriptions which give the user the ability to browse and search for certain skin conditions. The skin conditions vary from melanoma to actinic keratosis, basal cell carcinomas and many more. The skin library features hundreds of them, including those not related to skin cancer.

Histopathology:

The Histopathology module is primarily used to import Histo images into the patient database. Histo images may be imported from any storage media connected to the MoleMax or SkinDOC systems including the local drive, CD/DVD drive, a USB or flash drive, external storage drive or a network location.

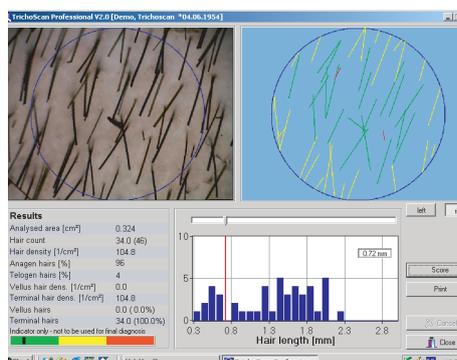


Real Time/Overlay Follow Up:

A quick comparison in large scale is one of the most important features Doctors look for in Skin Imaging software. A follow-up image may be taken with the previous image in view on one side of the screen.

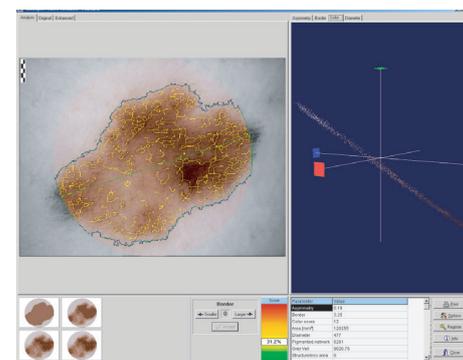
Alternatively, an outline may be generated of the original image to allow for easier follow-up. Images over time may also be compared side by side or over each other to easily assist in recognising lesion alterations.

*An optional extra. Additional charges apply.



TrichoScan (Hair Growth) Module*:

The TrichoScan software allows you to automatically measure and calculate biological parameters of hair growth. Images taken with the MoleMAX or compatible SLR camera are analysed for changes. The TrichoScan module is an ideal tool to monitor hair loss and treatment response. Some of the parameters that the TrichoScan module assists in measuring are hair density, diameter, growth rate and Anagen/Telegen ratio.



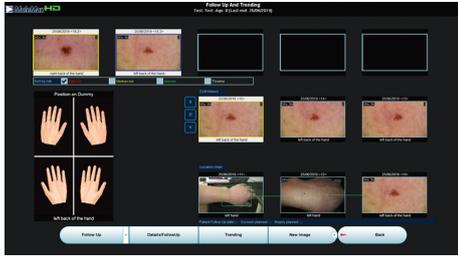
Automatic Scoring Module (MoleMax Only)*:

When the user requires more than a manual scoring method, the Automatic Scoring Module can assist further. This module is used for measurement of moles and pigmented skin lesions. It is a suitable second option, calculating the risk level using the world wide accepted ABCD rule. The software module automatically calculates each parameter of the ABCD rule and provides a score and risk graph.

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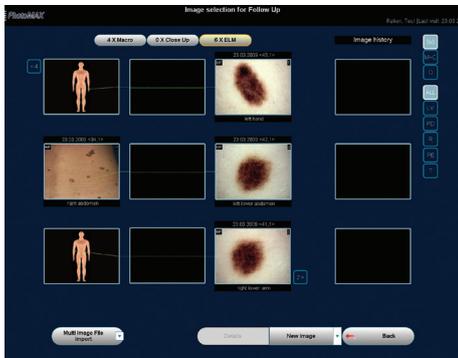


Thumbnail Monitoring

The Thumbnail follow up feature is a new addition created by Doctor and User feedback. This popular new module allows follow ups to be taken from a different view which combines onscreen the micro image, macro image and dummy location at the same time to allow for quick and easy follow up sessions.

Images taken may be scored as either high, medium or low risk and these can be sorted on screen for simultaneous view based on the risk.

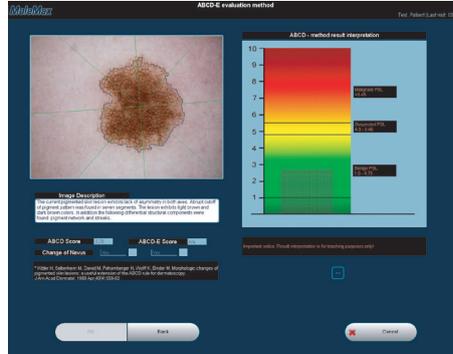
All micro and macro images taken may also have all their follow-up images appear side by side on the screen to easily identify the changes over time via the trending approach.



Trending and Monitoring:

Macro Trending allows for Micro and Histopathology images to be taken over time with comments. A complete patient history can be kept in chronological order every image taken and every comment added to the patient file.

*An optional extra. Additional charges apply.



Expertizer Plus Scoring Aid:

This manual scoring module is a histopathology database of diagnosed pigmented lesions taken on the MoleMax system.

This can be used for comparison scoring. This module includes image analysis functions based on state of the art technology using the clinically well-known ABCD Rule and Seven Point Checklist to support the classification of lesions being diagnosed.

The aid to diagnose will ask the user to answer each section of the ABCD rule and the 7 Point rule whilst provides example images to assist with diagnosis. The module will also auto measure up to 2 lesions taken over time to analyse pattern changes.



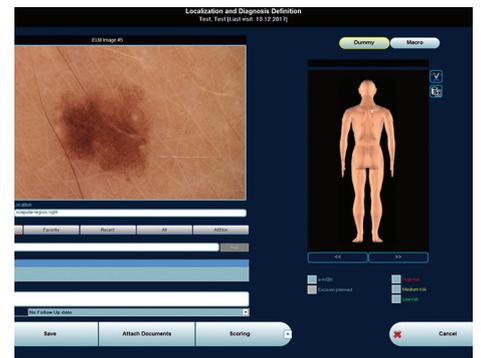
Multi-User Environment:

Our software is specially designed to operate in a multiuser environment to maintain audit paths and patient data security. The Administrator may tailor access rights for each user, to limit read, write and delete access.



Body Mapping - Mole Count Module*:

Two similar follow-up images of a relevant body site for one patient will be compared as it can be difficult to identify changed or new mole. The mole mapping module automatically detects nevi in the first and in the follow-up image. Additionally the software extracts features such as size, shape, and brightness that are relevant to each lesion and these features are compared for all mapped nevi. Extracted moles are shown in full resolution giving a detailed image of the nevus.



Total Body Mapping:

This function allows the user to make a complete photographic documentation of the entire body based on 33 present segments (quick examination -10 segments). This software allows importing of images from other digital sources such as digital cameras.