



Dermoscopy with

IDS SERIES

IDS-1100 • IDS-1000 • MAGNUM+
IDS-3100

ILLUCO

WHY DERMOSCOPY?

Dermoscopy is a non-invasive method of visualizing the structures of the dermis and epidermis at increased magnification, Using a device known as a dermatoscope. Dermoscopy is now the gold-standard to allow healthcare professionals to quickly and accurately diagnose skin lesions.

Most importantly, malignant melanoma. It is the most precise clinical and pre-surgical method of diagnosing melanocytic lesions(83% sensitivity and 69% specificity). Furthermore, a strong evidence base exists for improving diagnostic accuracy of skin cancer after basic training in using a dermatoscope.

The accuracy of the clinical diagnosis of cutaneous melanoma with the naked eyes is only about 60%. Dermoscopy, a non-invasive, in vivo technique for the microscopic examination of pigmented skin lesions, has the potential to improve the diagnostic accuracy up to 90%.

The use of a dermatoscope is only about 72 seconds so now it is worth using dermoscopy to assess any lesions on the body during a routine dermatology check up.



IDS SERIES

MODEL	IDS-1000	IDS-1000 PLUS
Polarization	Cross & Parallel	Cross & Parallel
Aperture	18mm	18mm
Magnification	10x	10x
LED	8 White LEDs	8 White LEDs
Camera & Smartphone compatibility	X	O
Battery	Disposable Lithium 6V 2CR5	Disposable Lithium 6V 2CR5
Charging method	X	X
Standard accessories	Non contactor Protect glass	Non contactor Scale protect glass Sleeve with lanyard

IDS-1100	IDS-1100C	IDS-3100 (MAGNUM+)
Cross & Parallel	Cross & Parallel	Cross & Parallel & UV395 & UV 405
25mm	25mm	100mm
10x	10x	2.5x
32 White LEDs	32 White LEDs	64 White LEDs / 6 UV LEDs
O	O	X
Rechargeable lithium ion 1150mAh / 3.7v	Rechargeable lithium ion 1150mAh / 3.7v	Rechargeable lithium ion 3400mAh / 3.7v
USB 5 pin	Charging cradle / dedicated USB magnet type	Charging cradle / USB 5 pin
Scale protect glass Velvet pouch	Scale protect glass Velvet pouch Charging cradle	Leather pouch Charging cradle

DERMATOSCOPE

IDS-1100 IDS-1100C



ACTINIC KERATOSIS

INTRADERMAL NEVUS

BASAL CELL CARCINOMA

SCABIES



IDS-1100C

IDS-1100

TECHNICAL SPECIFICATIONS

Polarization	Cross & Parallel
Aperture	25mm
Lens coating	Special BBAR coating
Magnification	10x
Brightness control	3 levels
Adapter for smartphone	Available
LED	32EA
Battery	Rechargeable lithium ion 1150mAh / 3.7v
Charging time	3 Hours
Continuous duty time	2 Hours
Charging method	Micro USB 5 pin / dedicated USB magnet type
Net Dimensions / Weight	138*65*33(mm) / 190g

APPLICATIONS

- Diagnosis of malignant melanoma skin cancer.
- A close up examination of many skin diseases including folliculitis, xeroderma pigmentosum, lentigo maligna, dermatofibroma, scar tissue and vascular supply and a variety of nevi.
- Studying normal skin.
- Examining diseased skin
- Noninvasive monitoring of skin during treatment.
- Use as a diagnostic tool in the dermatology clinic.
- Subsurface examination
- Hair research

ADVANTAGE

SLEEP MODE

To reduce electrical consumption, IDS-1100 will be powered off automatically when it is in a non-operational state for 5 minutes.

3 LEVELS BRIGHTNESS CONTROL

Easy to control by simply clicking the button.

WIDE FIELD OF VIEW

Offering enough range of view during your examination.

OPTION



SMARTPHONE CONNECTION KIT

Save images of lesions on your own smartphone



8MM SMALL CONTACT PLATE

Observation for narrow or hard to reach areas
- Rod lens diameter : 8mm
- Rod height : 16.87mm



6MM SMALL CONTACT PLATE

More accurate for hard to reach areas
- Rod lens diameter : 6mm
- Rod height : 10mm



BELT CLIP LEATHER POUCH

Genuine leather pouch black / red



UNIVERSAL SMARTPHONE ADAPTER

Whenever you change your phone, you can keep using the same adapter



MIRRORLESS CAMERA ADAPTER

Canon, Sony and Nikon models are available



ALCOHOL SWAB

To clean IDS-Series, use web first and dry pad



SLEEVE WITH LANYARD

Protect your IDS-Series and carry easily with the sleeve



ENTRY LEVEL DERMATOSCOPE

IDS-1000 IDS-1000 PLUS



TECHNICAL SPECIFICATIONS	IDS-1000	IDS-1000 PLUS
Polarization	Cross & Parallel	Cross & Parallel
Aperture	18mm	18mm
Magnification	10x	10x
Depth of field	1.5	1.5
Resolution	95LP	95LP
LED	8 White LEDs	8 White LEDs
Focus mode	Fixed	Fixed
Battery	Disposable Lithium 6V 2CR5	Disposable Lithium 6V 2CR5
Continuous duty time	8 Hours	8 Hours
Camera & Smartphone compatibility	X	Yes
Contact & Non contact examination	Yes	Yes
Net dimension / Weight	51*112*23(mm) / 105g	51*112*23(mm) / 105g
Package dimension / Weight	70*170*60(mm) / 330g	70*170*60(mm) / 330g

IDS-1000

COMPONENTS

1. IDS-1000 dermatoscope
2. Non contactor
3. Protect glass (no scale)
4. Lens cleaning cloth
5. User manual



1. PROTECT GLASS
2. NON CONTACTOR

OPTION



1. SCALE PROTECT GLASS
2. SLEEVE WITH LANYARD



IDS-1000 PLUS

COMPONENTS

1. IDS-1000 Plus dermatoscope
2. Non contactor
3. Scale protect glass
4. Sleeve with lanyard
5. Magnet on the back of the device to attach adapters
6. Lens cleaning cloth
7. User manual



1. SCALE PROTECT GLASS
2. NON CONTACTOR





SKIN EXAMINATION MAGNIFIER
MAGNUM+
 IDS-3100



TECHNICAL SPECIFICATIONS	
Polarization mode	Parallel & Cross
UV mode	395nm & 405nm
Magnification	2.5x
Field of view	100mm
Weight	370g
Lens	Aspherical lens
Examination	Binocular examination
Resolution	23LP
Coating	AR coating
Distortion	Under 3%
LED	64x white LEDs / 6x UV LEDs
Intensity of illumination	SMD type 3500 ~ 4000LUX
Brightness control	3 levels
LED life	100,000 hours
Power supply	Rechargeable / 3400mAh
Sleep mode	5 mins after not in use
Charging method	USB or Charging cradle
Continuous duty time	2.5 ~ 4 hours
Charging time	8.5 hours

4 IN 1 SKIN EXAMINATION MAGNIFIER

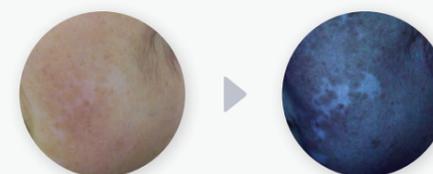
1. UV 395nm
2. UV 405nm
3. Parallel-polarized
4. Cross-polarized

APPLICATIONS

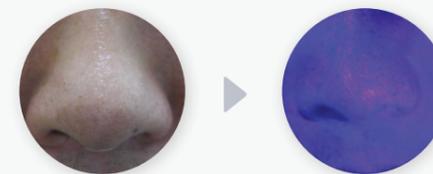
- Dermatology
- Veterinary medicine
- General medicine
- Esthetics

Vitiligo, Milium, Acne Pigmentation, Sebum, Actinic Keratosis (PDD), Squamous cell carcinoma (PDD), Pityriasis versicolor, Capillary and etc.

1 UV 395NM	2 UV 405NM	3 CROSS POLARIZED	4 PARALLEL POLARIZED
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VITILIGO



SEBUM



PIGMENTED LESIONS

UV 395, 405NM (WOOD'S LAMP)

Examination of pigmented & hypo-pigmented skin lesions including melisma and vitiligo. Also useful for determining the location of the melanin pigment (epidermis or dermis). Detection of cutaneous fungal, bacterial infection, acne, skin inflammation and etc. Photodynamic diagnosis (PDD) of skin cancers using fluorescence.

POLARIZED LIGHT

Diagnosis of actinic keratosis, non-melanoma skin cancers, and melanoma by reducing the reflection of the skin surface.

NON-POLARIZED LIGHT

Examine skin surface by 2.5 magnification.

ASPHERICAL LENS

- Minimize distortion and enhanced visual quality

AR COATING

- Enhance lens protection and UV transmittance
- Prevention of contamination and scratches on the lens
- Anti reflection coated

CHARGING CRADLE

- Easy to store & charge

SLEEP MODE

- To reduce electrical consumption, IDS-3100 will be powered off automatically when it is in a non-operational state for 5 minutes



ASPHERICAL LENS

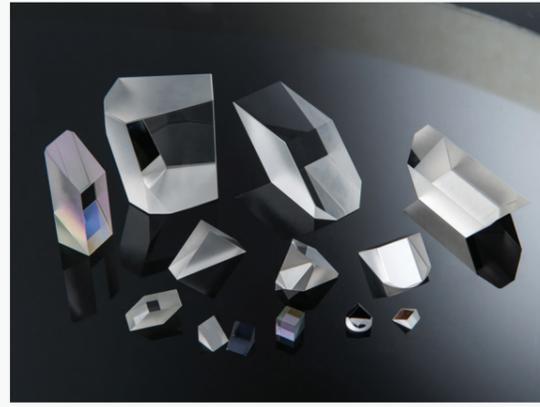


SPHERICAL LENS



LENSES

With over 1,000 different kinds of spherical/aspherical surface designing and processing experience and know-how spanning from normal optical lenses to defense industrial IR optics, ILLUCO will always satisfy customer needs from sample provision to mass production.



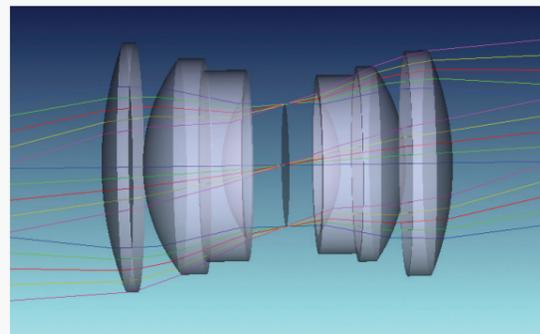
PRISMS

Illuco has a wealth of experience and know-how in prism designing and production. The company uses manufacturing facilities with only most trusted brand in the world to minimize product tolerance and product appearance with even zero defects.



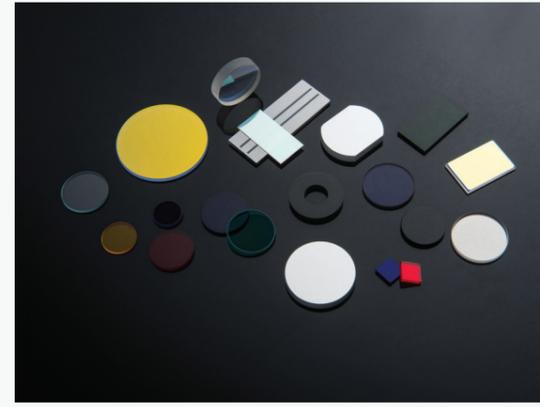
SUB-ASSEMBLIES

We have assembly technologies for various products realized by operating perfect assembly system with application of profound experience. We deal with more than 200 cases regarding the parts manufacturing, assembly and production of medical optical instruments, vision equipment and etc.



OPTICAL DESIGN

Optical engineering is the field of study that focuses on applications of optics. Illuco's optical engineers design components of optical instruments such as lenses, microscopes, telescopes and other equipment that utilizes the properties of light.



FILTERS & MIRRORS

The reproducible management for surface precision, appearance standard and coating are important factors in determining the quality of filters and mirrors. Precise both sided grinder is used for processing to guarantee the flat surface accuracy.



COATINGS

We use a spectrophotometer with 200~3,000nm high-precision optical measurements, flat measuring instruments, spherical surface reflexivity measuring instruments and center & outskirts comparators and etc.

TECHNICAL INFORMATION

Lens	Aspherical, Spherical, Array, Rod, Cylinder, GMP & etc.
Prism	B/S, Porro, Dove, Roof, Comer, Cube, Penta & etc.
Filters & Mirrors	Color, Band Pass, UV, IR Cut off, Dichroic, Polarizers & etc.
Diameter & Center thickness tolerance	±0.001mm
Surface quality	20 - 10 ~ 0-0
Surface accuracy	1/2λ ~ 1/20λ
Clear aperture	90% ~ 100%
Angle tolerance	5 ~ 30 " Arc second
Eccentricity	0 ~ 30 " second
Coating	Laser, ZnSe, CaF2, MgF2, Quartz, Ge, BK7 & etc
Material	Glass, ZnSe, CaF2, MgF2, Quartz, Ge, BK7 & etc
Chamber size	Ø1050 ~ Ø1500
Optical equipment	Spectrophotometer, Lens reflectance measuring instrument

