



Dermoscopy with

IDS SERIES

IDS-1100

MAGNUM+
IDS-3100

DERMATOSCOPE

IDS-1100



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

TECHNICAL SPECIFICATIONS

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

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 : 16.87 mm



BELT CLIP LEATHER POUCH ●
Genuine Leather Pouch Black / Red.





SKIN EXAMINATION MAGNIFIER

MAGNUM+ IDS-3100



4 IN 1 SKIN EXAMINATION MAGNIFIER

1. UV 365nm
2. UV 395nm
3. Non-polarized
4. Cross-polarized

APPLICATIONS

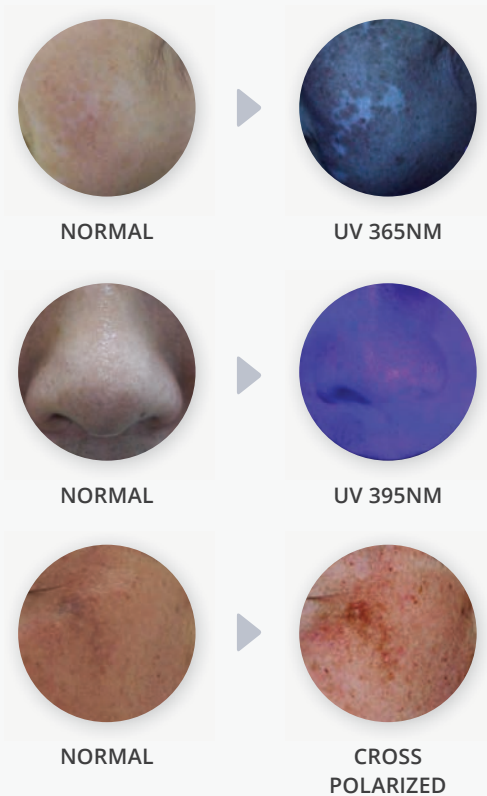
- Dermatology
- Veterinary Medicine
- General Medicine
- Aesthetics

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

TECHNICAL SPECIFICATIONS

Polarization Mode	Parallel & Cross
UV Mode	365nm & 395nm
Magnification	2.5 x
Field of View	100 mm
Weight	370 g
Lens	Aspherical Lens
Examination	Binocular Examination
Resolution	23 LP
Coating	Nano Hybrid Hard 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

1 UV 365 NM	2 UV 395 NM	3 CROSS POLARIZED	4 PARALLEL POLARIZED
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1. UV 365 NM (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).

2. UV 395 NM (WOOD'S LAMP)

Detection of cutaneous fungal, bacterial infection, acne, skin inflammation and etc. Photodynamic diagnosis (PDD) of skin cancers using fluorescence.

3. POLARIZED LIGHT

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

4. NON-POLARIZED LIGHT

Examine skin surface by 2.5 magnification.

ASPHERICAL LENS

- Minimize distortion and enhanced visual quality.

NANO HYBRID HARD COATING

- Enhance lens protection and UV transmittance.
- Prevention of Contamination and Scratches on the lens.

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

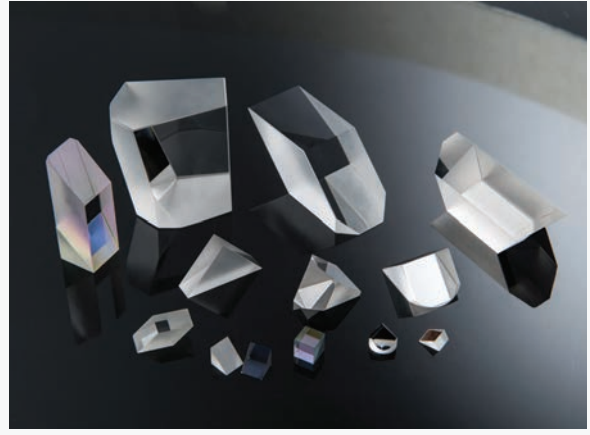


SPHERICAL LENS



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.



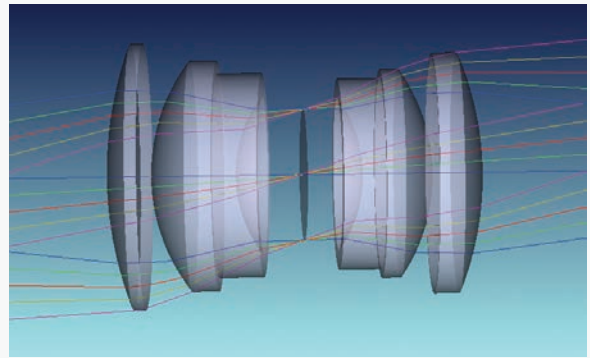
PRISMS

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



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MAIN SERVICE

Dermatoscope
Skin Examination Magnifier
Optical Components
Optical Coatings
Optical Design & Assembly

