

New Miles-Lorito Eye Camera – Adjustable Side and Central Lighting (MEC-6-ASCL) – Featuring the latest innovation in illuminators!



Maximum Versatility – Side AND Central Lighting of the Iris

The lightguides are designed to make it easy to change from central lighting to side lighting. Each of the twin lightguides can be placed for central and/or side lighting (10 to 90 degrees!)

Lighting is Everything – Abundant and Controlled Illumination

The best iris images are obtained with controlled lighting – now you can direct the light from either or both sides using the newest method of IPB imaging pioneered by Dr. LoRito: lateral light at 85 degrees and medial light at 10 degrees.

Smart Autofocus – Precision Point & Shoot

Works very well with Autofocus mode enabled – quick and accurate focusing – 1 button push! Newest autofocus technology can get sharp iris images on every shot.

Modular Design – All components are interchangeable

All Miles Research Imaging Systems are modular – the Hood-Mount Illuminator snaps on to the macro lens but does not limit the use of the camera and lens in any way. Use the included Nikon 18-55mm VR zoom lens for indoor or outdoor photography! Change from Iris Camera mode to general photography with a single click of the switch (just change Mode from A to AUTO).

Live View – Compose your shot on the rear LCD or a computer screen

The D3100 can send a live video image to the Cameras LCD display (push **Lv** button), to any monitor (HDMI socket) or to the computer screen (via USB cord and Nikon Camera Control Pro)!

Contents of Miles-Lorito Eye Camera – (MEC-6-ASCL) with Adjustable Side and Central Lighting Illuminator



Contents

1. Camera with Macro Lens
2. ASCL Illuminator
3. Camera Battery
4. Camera Battery Charger
5. Zoom Lens (18-55mm VR)
6. Alignment Target
7. USB Card Reader
8. 8GB SDHC
9. Cord Compartment
 - 9a. Camera USB cord
 - 9b. Body/Lens caps
 - 9c. Spare focus light batteries



How to Use the Miles-LoRito Eye Camera with ASCL Illuminator



The Adjustable Central and Side Lighting illuminator has a lightguide positioned on each side.

- For photography with **Central Lighting**, set the lightguide support arms to the internal position:



- For photography with **Side-Lighting**, set the lightguide support arms to the external position:



Miles-LoRito Eye Camera MC-6-ASCL (14 megapixel)

A professional digital camera for precise imaging of the iris and sclera.

Standard: 14 megapixel Nikon Camera with Nikon 85mm macro lens (MC-6-D3100-N85-ASCL).

Note: Illuminator-lens kits are available for most makes of DSLR camera-lens, including Canon, Pentax, Fuji, new or old, film or digital; custom solutions are available.

ASCL: Adjustable Side and Central Lighting illuminator:



Features

- Premium Nikon digital SLR with interchangeable Nikkor macro lens
- MEC-4: 14-megapixel images (4608x3072) – **Based on Nikon D3100**
- Compact, Portable; Handheld operation with optional chinrest available
- Bright viewfinder image allows for easy focusing
- Works very well with Auto-Focus!
- Flash illumination is guided precisely to the eye via fiberoptic lightguide
- All pictures are illuminated via onboard pop-up flash and lightguide
- Model **ASCL**: Ideal for **IPB imaging**; light can be set to any angle
- Optics are optimized for iris photography
- Useful for accurate imaging of the iris, sclera or any 1/2" diameter object
- Can take pictures, print them out, or play them back – all without a computer
- Accepts SD Flash memory cards
- Can use the camera for other photography by mounting the included zoom lens (Nikon mount)
use this camera for general photography!

Includes

- Digital Nikon SLR camera with Nikon VR macro lens
- Nikon 18-55mm VR AF-S Zoom lens: **FREE! zoom lens for general photography!**
- Custom iris illumination system
- 8 GB high-speed SD Flash card
- High-speed USB 2.0 SD card reader/hub
- USB cord for direct computer link (10 foot/3 meter length)
- Two camera batteries

- Nikon Camera battery charger (120-240 VAC)
- Airtight, watertight carry case (17" x 14" x 8");
- Weight is 15 lbs with all components included.

Options

- Nikon Camera Control image capture software (add \$180)
- Chinrest/Camera Support -- CRCS-TTB-AF -- (\$300 with camera)



How to Order:

Please contact your local reseller:

Send inquiries to:

Miles Research
141 E 13th Ave
Escondido, CA 92025-5802
760-746-7415 / 760-746-7416 fax
jon@milesresearch.com
www.milesresearch.com