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Meike ZN-1622 M43

Meike 16mm T2.2 Manual Focus Wide Angle Fixed Prime Cinema Lens User Manual

Model: ZN-1622 M43

PRODUCT OVERVIEW

The Meike 16mm T2.2 Manual Focus Wide Angle Fixed Prime Cinema Lens is designed for M43 Micro Four Thirds MFT Mount Cameras and Cinema Camera BMPCC. It features a wide T2.2 aperture and a robust metallic construction, providing sharp images and videos with low distortion.



Figure 1: Front view of the Meike 16mm T2.2 Cinema Lens, showcasing its multi-coated optics and aperture ring.

Key Features:

- Wide view angle of 73 degrees, suitable for landscape videography.
- T2.2 wide aperture for shallow depth of field.
- Lens structure: 10 groups, 13 elements, ensuring sharp images and low distortion.
- All-metallic construction for durability.
- Compatible with M43 mount cameras (e.g., Olympus E-PL5 OMD-EM10, Panasonic Lumix GH5 GM5, BMPCC).

SETUP

Before attaching the lens, ensure your camera is powered off. This lens is a manual lens and requires specific camera settings for proper operation.

Attaching the Lens:

1. Remove the rear lens cap from the Meike 16mm T2.2 lens.
2. Align the red dot on the lens mount with the corresponding red dot on your camera's lens mount.
3. Gently insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.

MK-16mm T2.2 Fit M4/3-Mount



Figure 2: The Meike 16mm T2.2 Cinema Lens attached to a Panasonic Lumix GH5 camera, demonstrating its compact fit.

Camera Settings:

Since this is a manual lens with no electronic contacts, you must enable specific settings on your camera:

- Set your camera to "M mode" (Manual mode).
- Enable "Release without lens" or a similar setting in your camera's menu. Refer to your camera's user manual for exact instructions on how to enable this feature.

OPERATING THE LENS

The Meike 16mm T2.2 lens features manual control for both focus and aperture.

Manual Focus:

Rotate the focus ring on the lens barrel to adjust the focus. The lens has a long focus throw, allowing for precise adjustments. Utilize your camera's focus peaking feature for accurate manual focusing.

Aperture Control (T-Stop):

The lens features a de-clicked aperture ring, allowing for smooth, stepless adjustments of the T-stop (T2.2 to T22). This is particularly beneficial for video recording, enabling seamless exposure changes.



Figure 3: Side view of the Meike 16mm T2.2 Cinema Lens, highlighting the geared focus and aperture rings for smooth manual control.

USAGE TIPS

Wide Angle Perspective:

The 16mm focal length provides a wide 73-degree angle of view, making it ideal for capturing expansive landscapes, architectural shots, or scenes where you want to include a broad perspective.

Shallow Depth of Field:

With its wide T2.2 aperture, the lens can produce a very shallow depth of field, allowing you to isolate your subject from the background with pleasing background blur (bokeh).

Your browser does not support the video tag.

Video 1: A review of Meike T2.2 series cine lenses, demonstrating the field of view and bokeh characteristics of the 16mm lens in various shooting scenarios.

MAINTENANCE

To ensure the longevity and optimal performance of your Meike 16mm T2.2 lens, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth and a specialized lens cleaning solution to clean the glass elements. Avoid touching the glass with your fingers.
- **Storage:** Store the lens in a dry, dust-free environment, preferably in a lens pouch or case, with both front and rear caps attached.
- **Handling:** Handle the lens with care. Avoid dropping it or subjecting it to harsh impacts. The all-metallic construction is durable but not indestructible.
- **Environmental Protection:** Protect the lens from extreme temperatures, humidity, and direct sunlight for prolonged periods.



Figure 4: The Meike 16mm T2.2 Cinema Lens shown with its protective lens caps and carrying pouch, essential for proper storage and maintenance.

TROUBLESHOOTING

"Lens Not Attached" Error:

If your camera displays a "Lens Not Attached" error message, it is likely due to the manual nature of the lens. Ensure you have correctly configured your camera settings as described in the "Setup" section:

- Verify that your camera is set to "M mode" (Manual mode).
- Confirm that the "Release without lens" option is enabled in your camera's menu.
- If the issue persists, re-attach the lens, ensuring it is securely mounted and clicked into place.

SPECIFICATIONS

Feature	Detail
Product Dimensions	6 x 5 x 5 inches
Item Weight	8.1 ounces
Item Model Number	ZN-1622 M43
Brand	Meike
Focal Length Description	16 mm
Lens Type	Wide Angle
Compatible Mountings	Micro Four Thirds
Maximum Aperture	T2.2
Minimum Aperture	T22
View Angle	73 degrees
Lens Construction	10 groups, 13 elements

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Related Documents - ZN-1622 M43

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