

Using the LEICA M8, firmware version 1.102 with the LEICA TRI-ELMAR-M 16-18-21mm f/4 ASPH. and a LEICA UV/IR filter

About the lens

The LEICA M8 has an increased sensitivity to infrared light. This manifests itself in a slightly purple rendering of dark or black surfaces (particularly black textiles). Using the LEICA UV/IR filter in front of the lens effectively prevents this from occurring.

When using wide-angle lenses from 16 to 35mm with the LEICA UV/IR filter, a focal length specific correction of the color cast towards the edge of the image is required. With 6-bit coded lenses, this is done automatically in the camera as the lens type is transferred to the LEICA M8 as part of the coding. However, in the case of the LEICA TRI-ELMAR-M 16-18-21mm f/4 ASPH., the lens type transferred does not always correspond to the focal length actually set on the lens. Additional information is therefore required. When the LEICA M8 is being operated with the Firmware version 1.10 (or higher), the focal length specific correction is possible for this lens too. To do this, the Firmware version includes an extended menu:

1. Under the menu item "Lens detection", select the sub-point "On + UV/IR" by pressing the SET button. A new monitor screen appears with the title "Lens detection Tri-Elmar + UV/IR".

Note:

Provided "On + UV/IR" has previously been set, this monitor screen appears automatically as soon as the camera is turned on and/or the LEICA TRI-ELMAR 16-18-21mm f/4 ASPH is attached, regardless of whether or not the monitor was previously active.

2. In the box with a red border, the three focal lengths 16, 18, and 21mm can be selected using the direction buttons and/or the central adjusting dial and confirmed as normal with the SET button.

Notes:

- The setting in the menu must be made <u>every time</u> the focal length on the lens is changed.
- When the lens is attached, the middle focal length of 18mm is always preselected.
- This manual adjustment of the focal length in the menu is only necessary with the LEICA TRI-ELMAR-M 16-18-21mm f/4 ASPH. The LEICA TRI-ELMAR-M 28-35-50mm f/4 ASPH. features the necessary mechanical transfer of the set focal length to the camera to display the appropriate bright-line frame in the viewfinder. The camera electronics detect the setting and use it to perform focal length specific correction.

About the filter

- The LEICA UV/IR filter combined with lenses from 16-28mm focal length should not be used for shots under fluorescent light (fluorescent tubes). As fluorescent tubes emit light with a very uneven spectrum, this could result in incorrect color correction.
- As with all optical filters placed in front of the shooting lens and strong light sources in the
 picture, using the LEICA UV/IR filter can result in a reflection visible in the image, i.e. a
 duplicate reproduction of the light source.
- Light incident from behind –entering through the cut-outs in the filter mount for the LEICA TRI-ELMAR-M 16-18-21mm f/4 ASPH. – can lead to reflections in the image when using the LEICA UV/IR filter. When using the filter, you should therefore close the notches using the plastic ring supplied with the filter mount. In case you already have the filter holder, but not the plastic ring, you can order the latter from your Leica distributor.