

**Macro Converter H**

The Macro Converter H (3023720) is designed to improve the close range performance of wide angle H system lenses. It is primarily intended for use with the HC 50-II lens for optimum performance. The range produced is similar to the use of a 6.6 mm extension tube but the performance is noticeably improved.

It features the same outstanding optical and mechanical quality as all the elements in the Hasselblad HC/HCD lens system. All the glass-to-air surfaces have a multi-layer coating to reduce internal reflections and increase the efficiency of the optical system.

The Macro Converter H can only be used together with Hasselblad HC/HCD lenses. Attempts to attach any other type of lens may cause damage.

**General**

The Macro Converter is not compatible with the following:

- HCD 4–5.5 / 35–90mm Zoom (3023590)
- HC 3.5–4.5 / 50–110mm Zoom (3023511)

All other HC and HCD lenses (including the HTS 1.5x) can be used but optical performance is optimized when used together the HC 50-II lens (3023052).

To obtain the optimum performance with any lens combination, please ensure you have the latest sensor-unit firmware installed and that you use the latest version of Phocus.

**Attaching and removing the converter**

The Macro Converter is mounted between the camera and lens in the same manner as an extension tube.

**Technical Specifications**

Focal length conversion factor:	1.0x
Aperture reduction:	0 stops
Length/diameter:	19.5 mm / 84 mm
Weight:	182 g
Optical design:	3 lenses in 2 groups

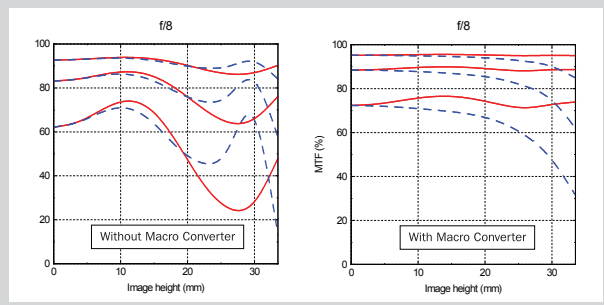
Visit [www.hasselblad.com](http://www.hasselblad.com) to download user manuals, datasheets, product brochures, technical information, technical articles, software and firmware updates etc., as well as news about the latest developments at Hasselblad.

<b>FRA</b> Ce texte dans votre langue? Utilisez "Google Translate" sur Internet.	<b>IND</b> Deze tekst in uw taal? Gebruik "Google Translate" op het internet.
<b>DEU</b> Diesen Text in ihrer Sprache? Verwenden Sie "Google Translate" im Internet.	<b>JPN</b> この文章をあなたの母国語で読むには? インターネット上でGoogle翻訳を使用してください。
<b>ESP</b> Este texto en su idioma? Utilice "Google Translate" en Internet.	<b>CHN</b> 您想阅读中文? 请在互联网上使用Google翻译。
<b>ITA</b> Questo testo nella tua lingua? Utilizzare "Google Translate" su Internet.	<b>IND</b> இந்த கட்டுரை உங்க மொழியில்? இணையத்தில் "Google Translate" பயன்படுத்தండి.
<b>PRT</b> Este texto na sua língua? Use "Google Translate" no Internet.	<b>RUS</b> Этот текст на русском языке? Используйте "Google Translate" в Интернете.
<b>SWE</b> Den här texten på ditt språk? Använd "Google Translate" på Internet.	<b>SAU</b> هذا النص بلغة? استخدم "Google Translate" على شبكة الإنترنت.

**Performance**

The MTF diagrams to the right show the dramatic increase in performance when using the Macro Converter H at close range.

Lens: HC 50-II  
Distance: 0,6m  
Aperture: f/8



The following graph shows the effect on close range use for the H system wide angle lenses when using the Macro Converter H.

- Focusing range with Macro Converter H
- Focusing range for lens without Macro Converter H

