

# KB 1011

## Modify Mamiya C lenses in order to function on Phase One 645XF body

Last updated: 09-10-2019

### Problem

What is a Mamiya C lens? and how to modify it to fit on an XF Camera Body.

### Solution

## Summary

With the introduction of the XF camera you might need to modify your Mamiya C lenses to work with this camera.

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## In-Depth

### 1. Reason for document

With the introduction of the Phase One 645XF camera, Phase One also introduces an extended set of signal pins for communicating with lenses. This is there in order to offer new functionality in the future. The new subset of pins can be seen in *Fig1* as the bottom row of pins.

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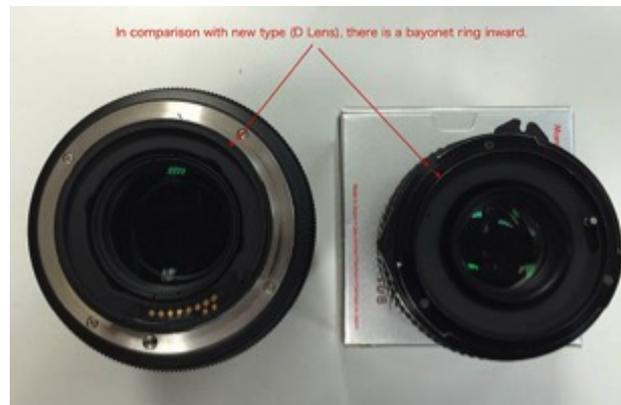


## 2. What is a "Mamiya C lens"

Mamiya has made a range of mechanical lenses over the years for such cameras as 645Super, 645PRO, 645PRO TL etc. Some of the lenses are specialty lenses which still are quite popular to use. In this document the lens used as example is "Mamiya 80mm F/1.9"

## 3. What is the difference from a Mamiya AF, Phase One AF or Schneider LS lens compared to Mamiya C lens?

On the Mamiya C lens there is a bayonet ring which goes inward in the bayonet fitting which is not the case on any of the more modern AF range. This ring prevents the mounting of the lens due to the new extended signal pin set.



## 4. Will Phase One and / or Mamiya Digital Imaging provide this modification?

No. Nor Phase One or Mamiya Digital Imaging will provide this service. This document simply outlines the necessary procedure in order to gain functionality. Please read disclaimer at the end of the document.

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Then the part painted in red in (Fig 4) will have to be removed. We recommend this to be done by a professional expert.



Once done, simply assemble the lens again and it can now be used on the Phase One 645XF.



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