



# SAMCON

Prozessleittechnik GmbH



# ExCam<sup>®</sup> IPM2036

## Viewing Angle / IR Test

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## Revision history

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01	March 08, 2023	S. Weber	Update to M2036.

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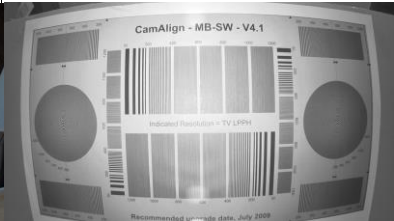
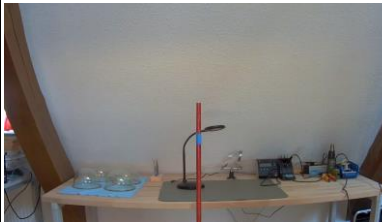
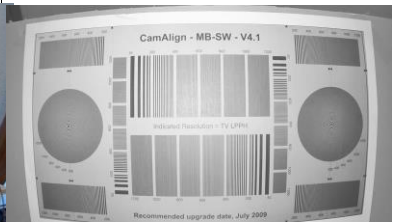
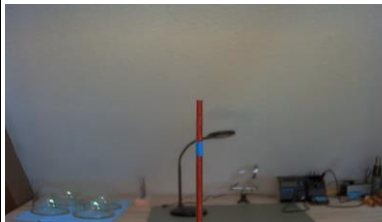
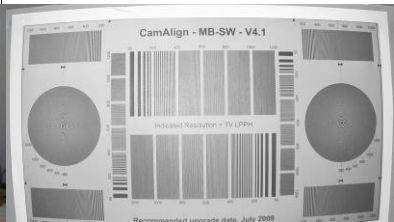
# 1 Introduction

This document contains the results of the measurement regarding the angle of view and the reflections of the infrared lights of the ExCam IPM2036.

The results are presented as pictures and can be used as reference.

# 2 Results

The following lenses / angle of views / infrared illuminations were tested:

Lens:	Angle of view:	Snapshot IR LED's „OFF“:	Snapshot IR LED's „ON“:	Remarks:
Mega IR M12 2,4 mm 1/2.8“	Ca. 130°	 Figure-2.1_130°_IR OFF	 Figure -2.2_130°_IR ON	Original lens Edge of BOR flange visible, Significant reflections noticeable
M12 f3,6 mm 1/1.27“	Ca. 82°	 Figure 2.3_82°_IR OFF	 Figure -2.4_82°_IR ON	Lens of ExCam mini.Tube
M12 6,0 mm F1,9 IR	Ca. 56°	 Figure -2.5_56°_IR OFF	 Figure -2.6_56°_IR ON	AXIS lens 02008-001
M12 8,0 mm F1,8 IR	Ca. 41°	 Figure -2.7_41°_IR OFF	 Figure -2.8_41°_IR ON	AXIS lens 02009-001

### **3 Conclusion**

The 130° lens cannot be used as the inner T07-VA2.BOR flange is visible in the picture. In addition, the reflections from the infrared light are clearly visible.

The 82° lens is generally suitable but here also, reflections are visible.

The 56° and the 41° lens are suitable without any restrictions.