



65-02-24

Am. - 65

Calibration Certificate

Wild Camera No. 15 Ag. 38

Lens No. 38

**This calibration certificate replaces the
previous certificate issued on 22.3.57**

Camera

Type: RC5
No.:
Size: 9"x9"

Lens

Type: Jnfragon
No.: 3
f = 153
max. aperture: f:5.6

Calibration date: 11.5.55

Resolving Power (Lines per millimetre)

High contrast and max. aperture

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
rad.										
tang.										

Distortion in millimetres

The given distortion is the arithmetic mean between the four half-diagonals. Positive distortion when away from the centre.

Calibrated focal length: 152.08

Radius	20	40	60	80	100	120	130	140
Distortion	+0.0035	+0.006	+0.006	+0.003	-0.004	-0.004	+0.001	+0.008

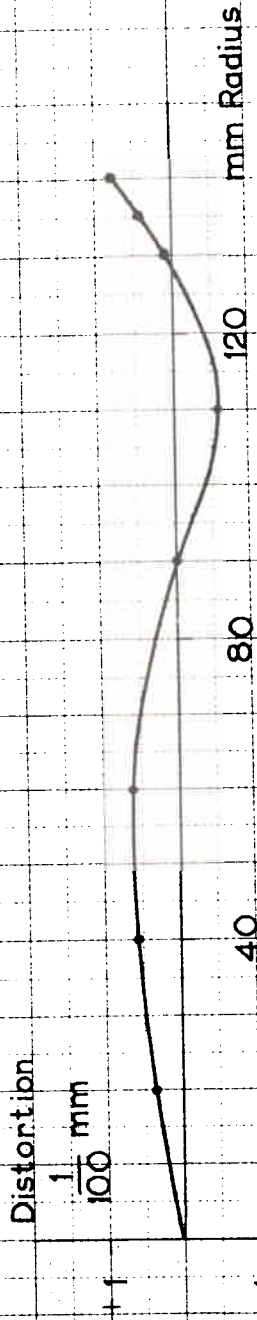
The displacement of the optical centre from the intersection of the diagonals is within 0.02 mm.

Date: 24. 6. 55

**H. Wild Surveying Instruments
Supply Co., Ltd.**

V.

Wild RC5 9" x 9" Infragon Nr 3 f=152.08



H. Wild Surveying Instruments
Supply Co., Ltd.

Vt

11.5.55

Lens Cone

Type: **RC5/RC8**
No.: **15 Ag. 38**
Size: **9" x 9"**

Lens

Calibration date: 24.2.65

Type: **Aviogon**
No.: **38**
f = **153 mm**
max. aperture: **f:5.6**

Resolving Power (Lines per millimeter)

High contrast and max. aperture **f:5.6**

Film: **Agfa Isopan IFF 13 Planfilm**

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	53	53	52	51	49	38	46	49	29	9			
tang.	53	53	51	49	47	49	44	36	35	19			

rad.													
tang.													

Distortion in millimeters

The given distortion is the arithmetic mean of the four half-diagonals. Positive values denote image displacement outwards.

Goniometer measurements made with ~~filter~~ **no filter on lens cone.**

Calibrated focal length: **152.61 mm**

Radius mm	20	40	60	80	100	120	140	148
Distortion mm	+0.006	+0.010	+0.006	0.000	-0.007	-0.008	0.000	+0.007

The displacement of the principal point of autocollimation from the intersection of the diagonals (fiducial center) is within **0.01 mm**

Date of Dispatch: **5.3.65**

WILD HEERBRUGG
Limited *Germany*

LENS CONE

LENS

CALIBRATION DATE: 24.2.65

Type: RC5/RC8

Type: Aviogon

Format: 9" x 9"

No.: 15 Ag. 38

f = 152.61 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

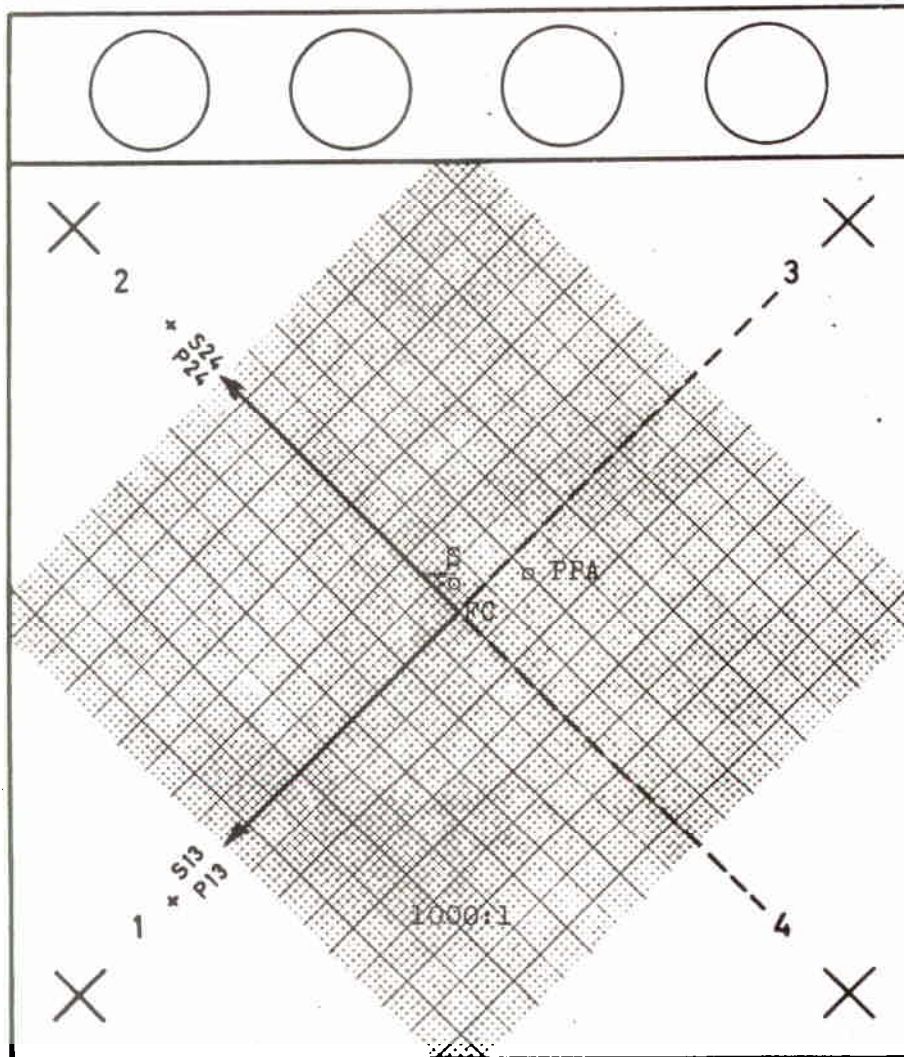
S13 = -2 μ ; S24 = +3 μ

Principal Point of Autocollimation (PPA):

P13 = -10 μ ; P24 = -3 μ

(Calibration without filter)

(Seen on Focal Plane Frame)



Distances between Fiducial Marks in μm :

1 - 2 = 211.996

1 - 3 = 299.820

2 - 3 = 212.012

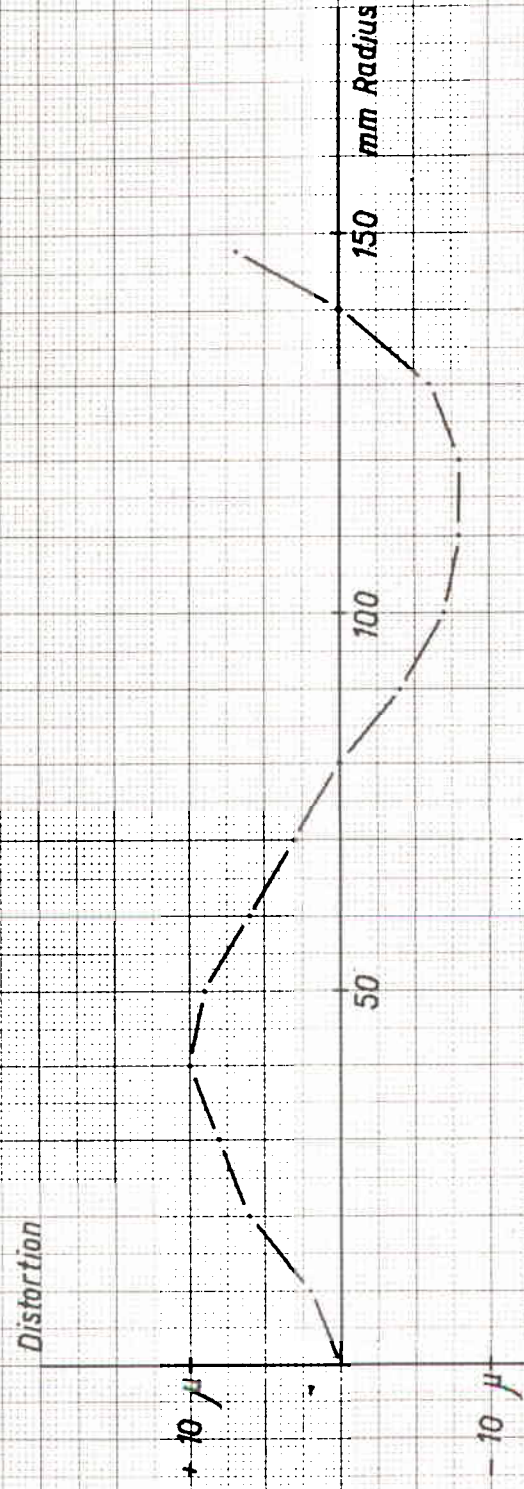
2 - 4 = 299.818

3 - 4 = 212.004

4 - 1 = 212.012

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Geneve.

Wild Aviogon 9" x 9" Nr. 15 Ag. 38 f=152.61 mm



Mean Distortion Curve

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