

## Multi Point Focus Test Report

for Nikon Corporation D7100 (serial number 4341964) with 150-600mm f/5-6.3

Test run on: 26/01/2016 18:33:55 with FoCal

Report created on: 26/01/2016 18:45:27 with FoCal 2.0.6W

### Overview

#### Test Information

Property	Description
Data Analysis FoCal Version	2.0.6W
OS Version	Microsoft Windows NT 6.2.9200.0
Source Mode	Camera Mode
Image Capture Mode	JPEG
Analysis Method	Multi-ESH (RGB)
Camera Model	Nikon Corporation D7100
Firmware Version	V1.02
Serial Number	4341964
Shutter count (start)	16302
Test Colour Temp	3200 K
Lens	150-600mm f/5-6.3
Focal Length	600,0mm
Termination Reason	Failed to complete test
Test ISO	100

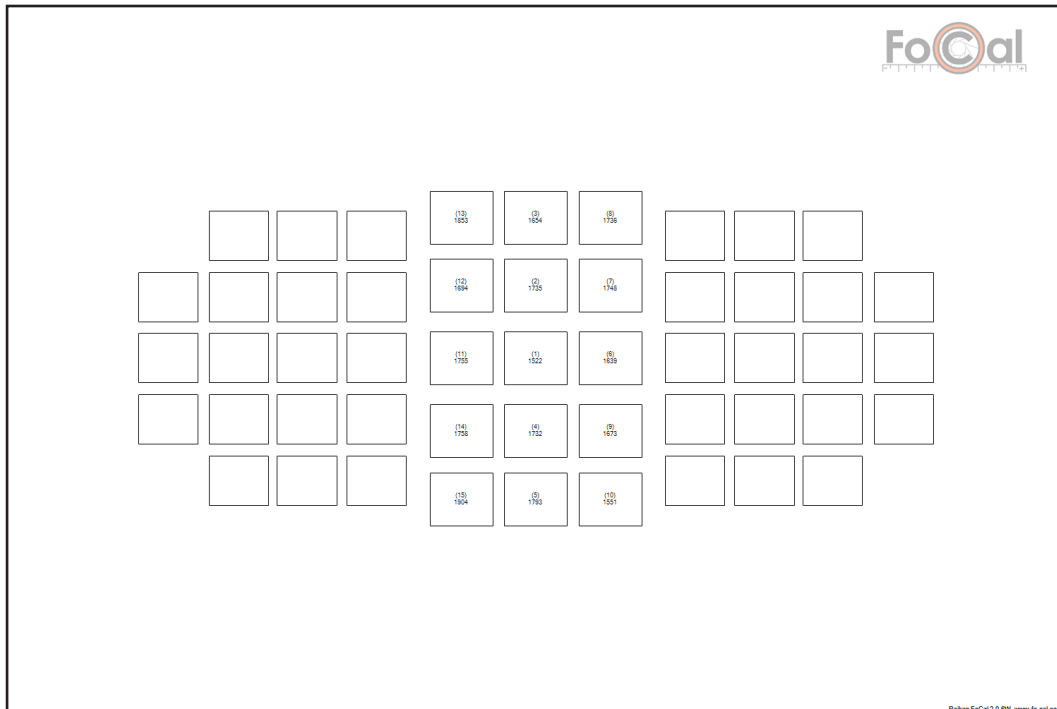
## Test Details

### Focus Point Summary

Best Focus Point: Focus point index 15, Average QoF = 1903,6

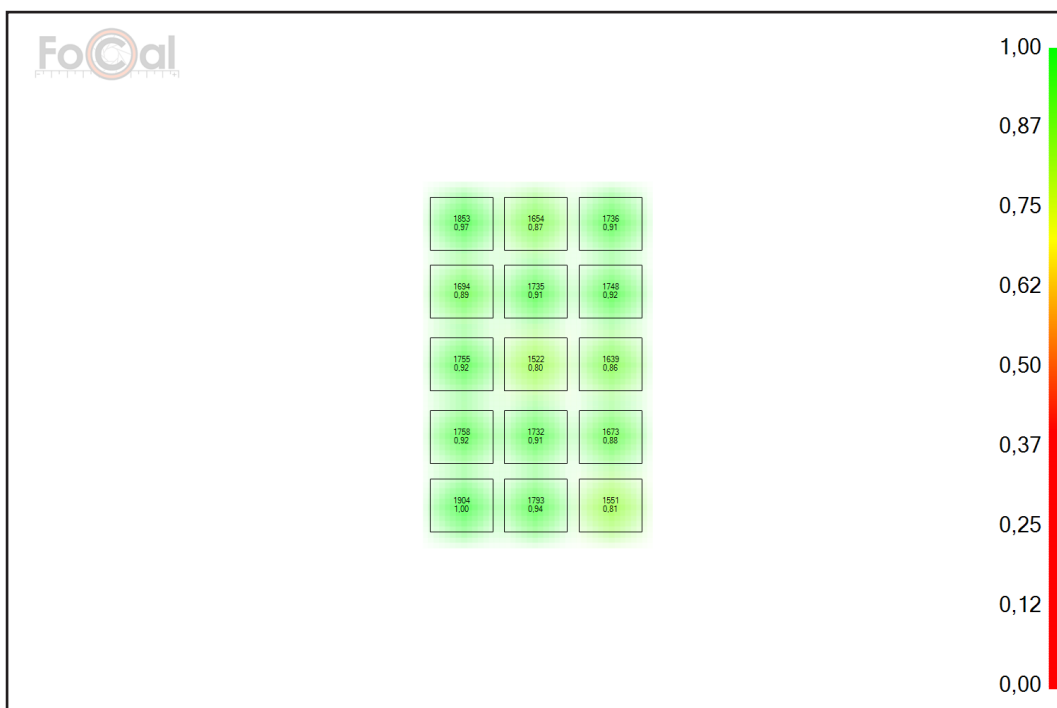
Worst Focus Point: Focus point index 1, Average QoF = 1521,7

The following image shows the averages QoF values for each tested focus point



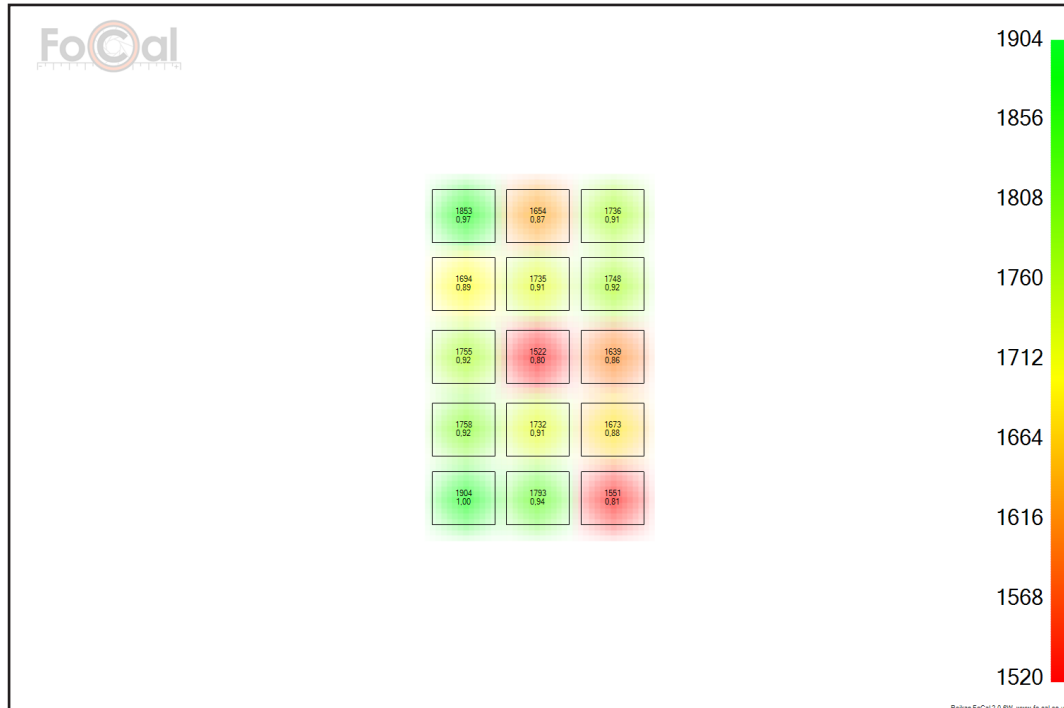
### Overall Focus Quality

The following image shows the effective quality of each focus point compared to the best focus point over the complete test. The best focus point will always have a value of 1.00, and the ideal results is that all focus points also have a value of 1.00. In reality, all values being above around 0.85 indicates good general AF performance. Any points below 0.5 could indicate a problem but should only be interpreted as such if there is a good spread and number of focus points and the results are repeatable.



### Focus Point Detail

The following image shows the actual Quality of Focus values of the focus points. The best focus point will always have the top value and be shown in green, and the worst point will be shown in red (the lowest value). It is important to interpret this test along with the range of QoF numbers - a small range indicates good overall performance and does not indicate a problem even though the chart will show the full range of colours.



**Details for Focus Point 1**

Aperture: f/6,3

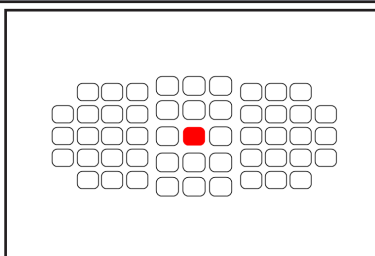
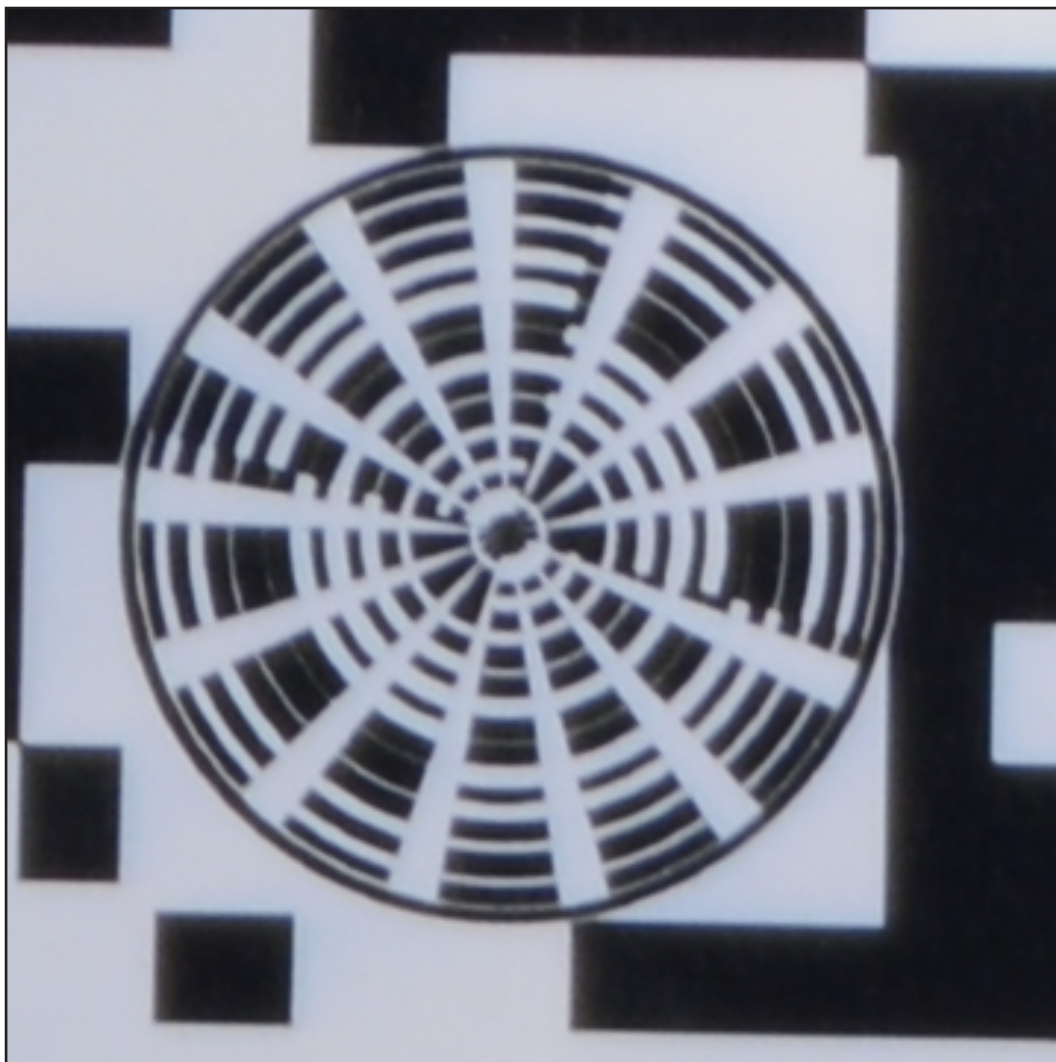
Shutter Speed: 1/250s

EV: 13,2

Quality of Focus Measure: 1521,7 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 2**

Aperture: f/6,3

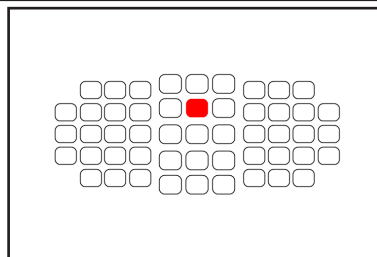
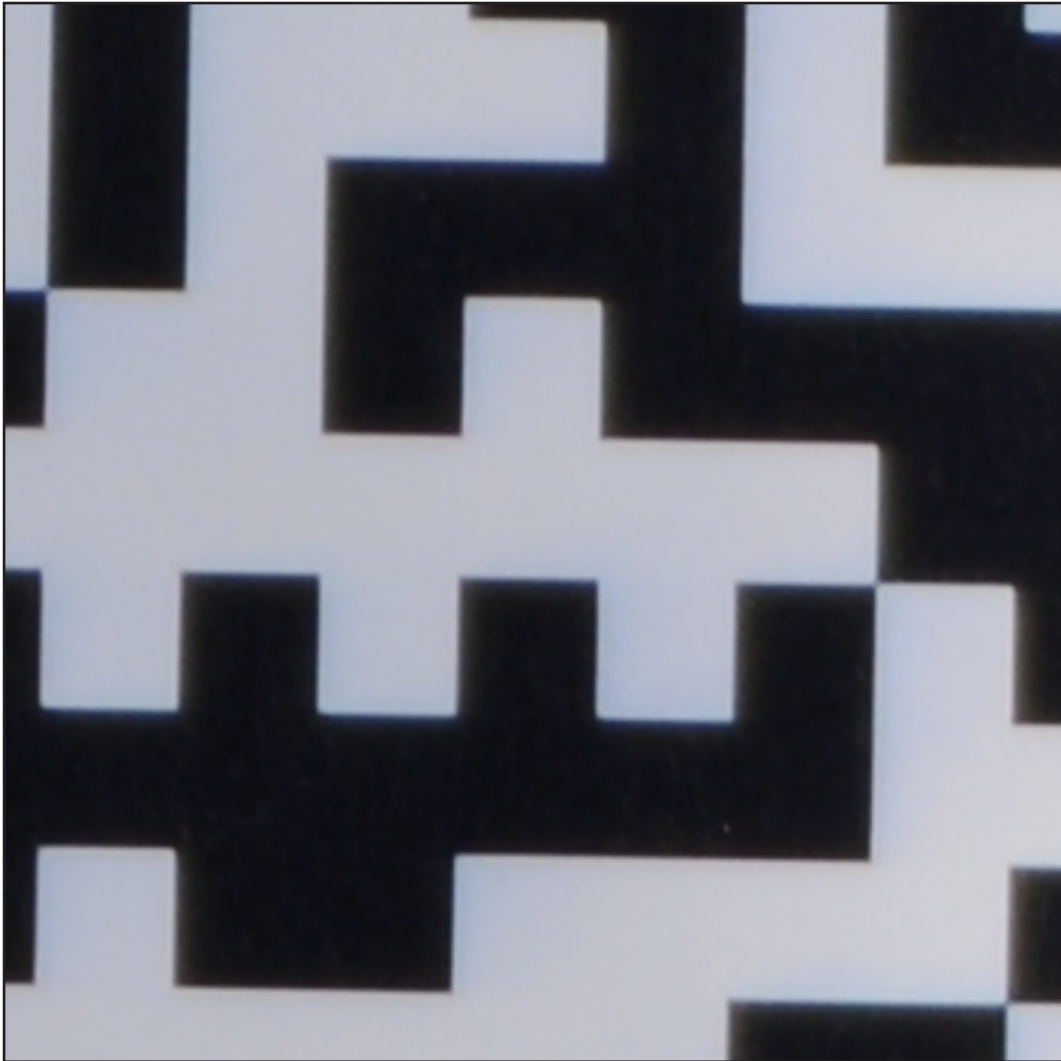
Shutter Speed: 1/320s

EV: 13,6

Quality of Focus Measure: 1734,9 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 3**

Aperture: f/6,3

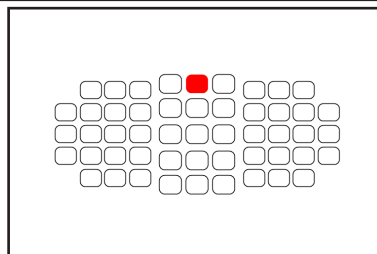
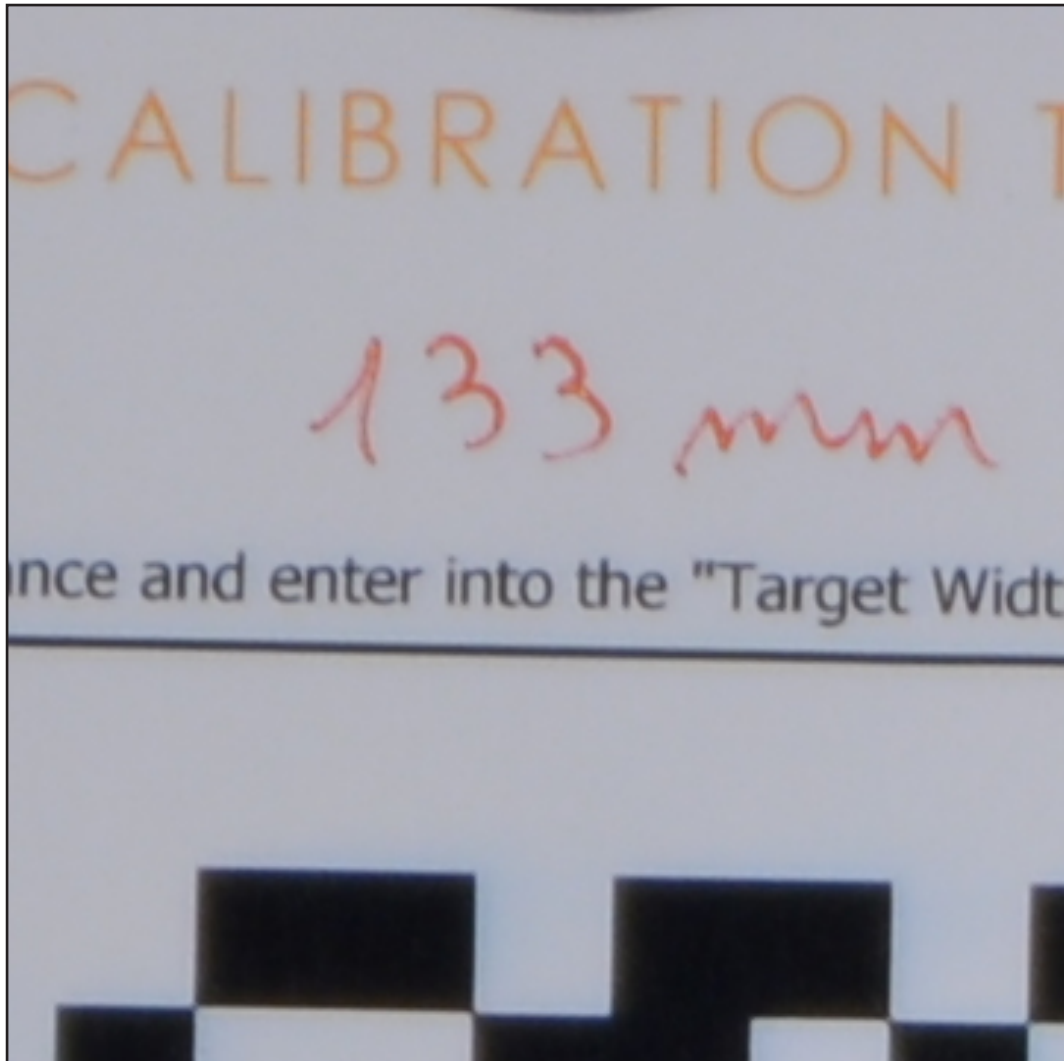
Shutter Speed: 1/320s

EV: 13,6

Quality of Focus Measure: 1653,7 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 4**

Aperture: f/6,3

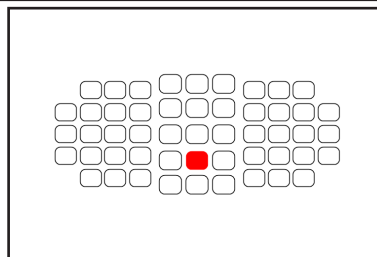
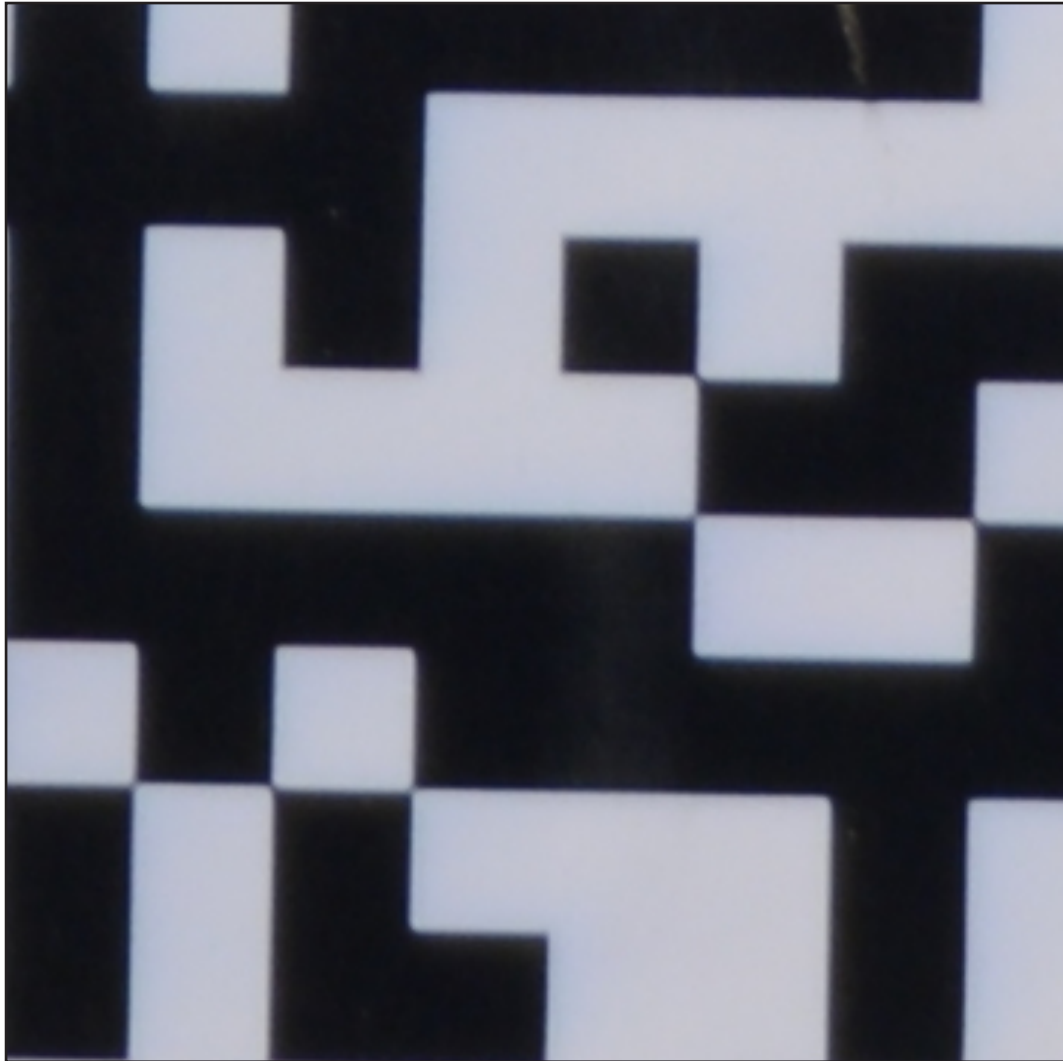
Shutter Speed: 1/200s

EV: 12,9

Quality of Focus Measure: 1731,5 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 5**

Aperture: f/6,3

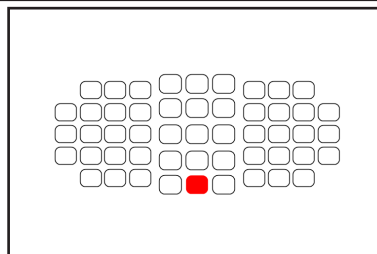
Shutter Speed: 1/320s

EV: 13,6

Quality of Focus Measure: 1793,0 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):





**Details for Focus Point 6**

Aperture: f/6,3

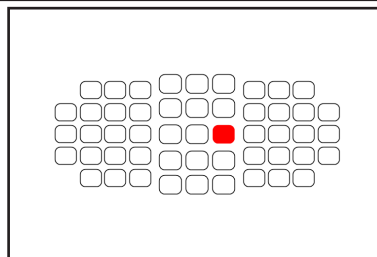
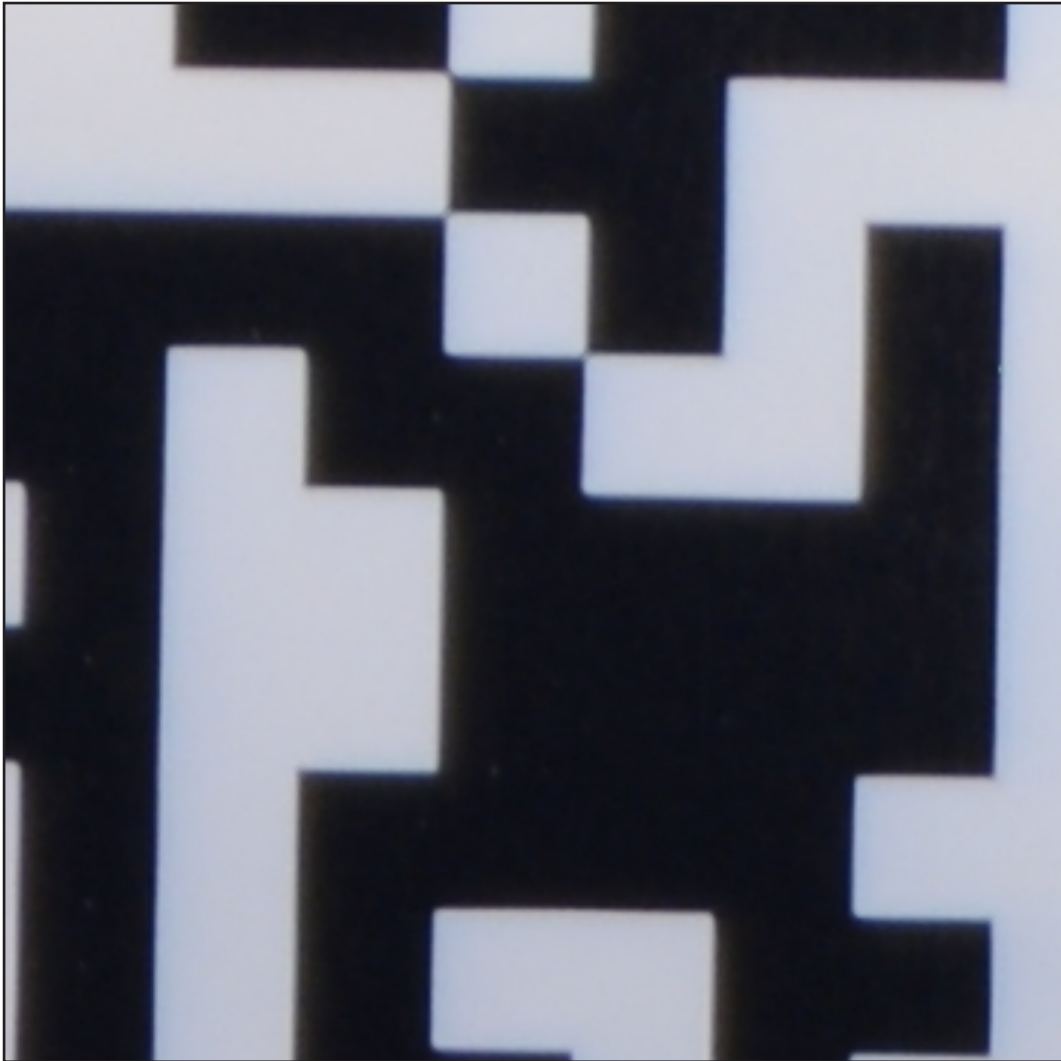
Shutter Speed: 1/250s

EV: 13,2

Quality of Focus Measure: 1638,9 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 7**

Aperture: f/6,3

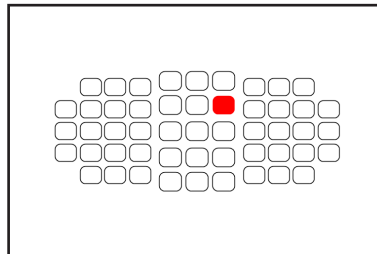
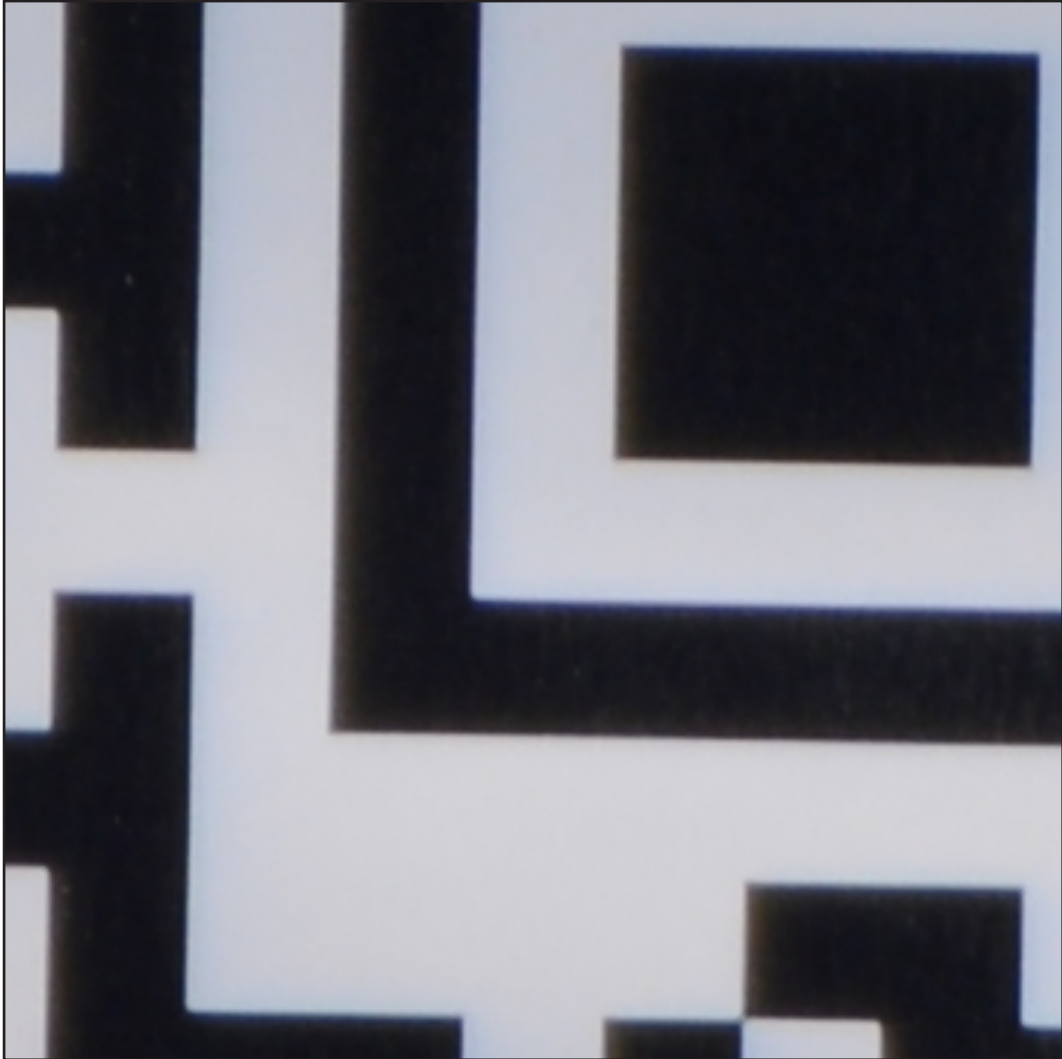
Shutter Speed: 1/320s

EV: 13,6

Quality of Focus Measure: 1747,7 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 8**

Aperture: f/6,3

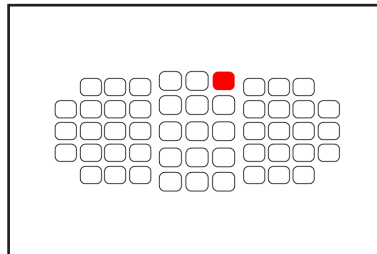
Shutter Speed: 1/400s

EV: 13,9

Quality of Focus Measure: 1736,5 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 9**

Aperture: f/6,3

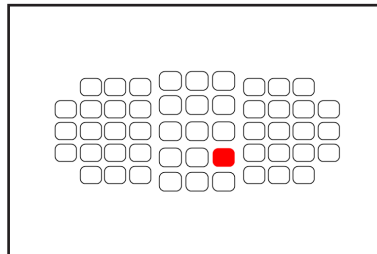
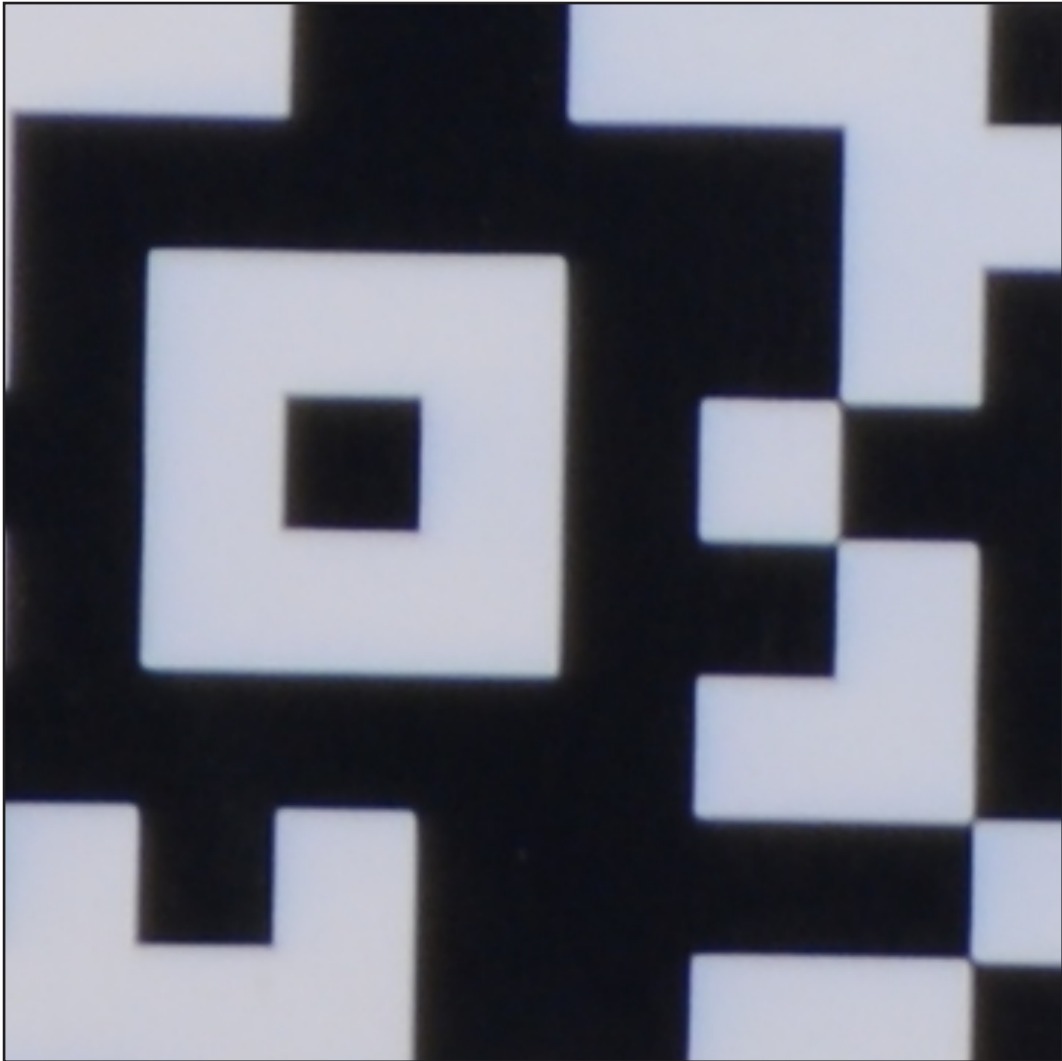
Shutter Speed: 1/200s

EV: 12,9

Quality of Focus Measure: 1673,3 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 10**

Aperture: f/6,3

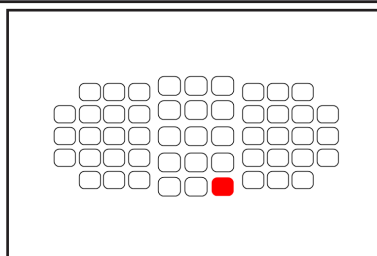
Shutter Speed: 1/400s

EV: 13,9

Quality of Focus Measure: 1550,5 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 11**

Aperture: f/6,3

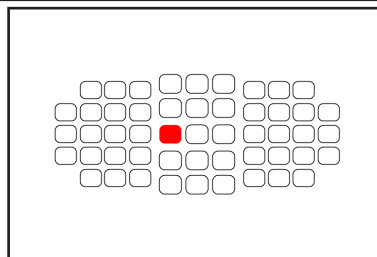
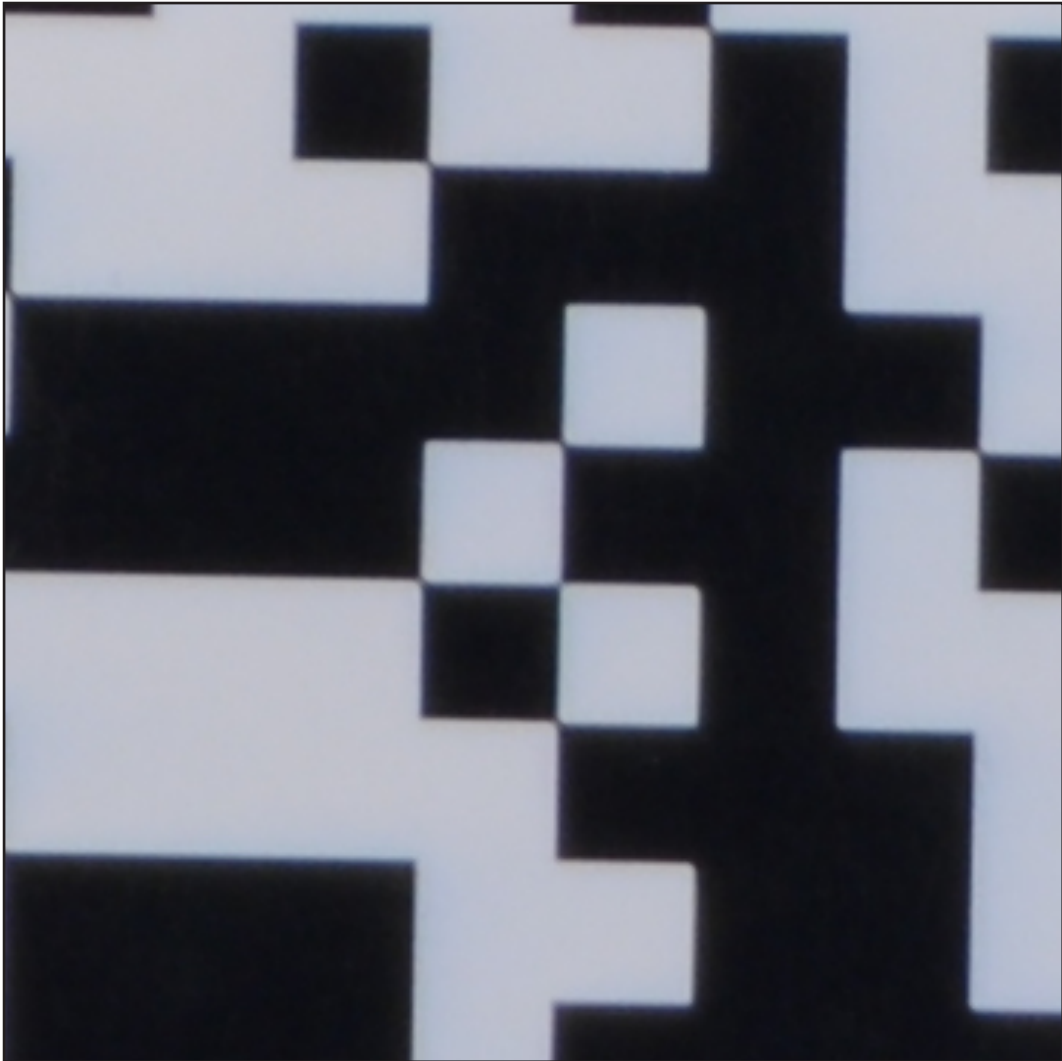
Shutter Speed: 1/200s

EV: 12,9

Quality of Focus Measure: 1754,8 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 12**

Aperture: f/6,3

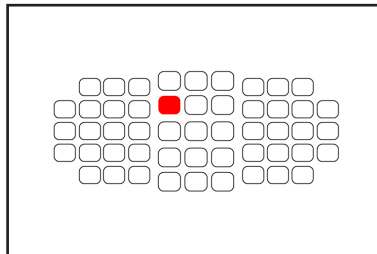
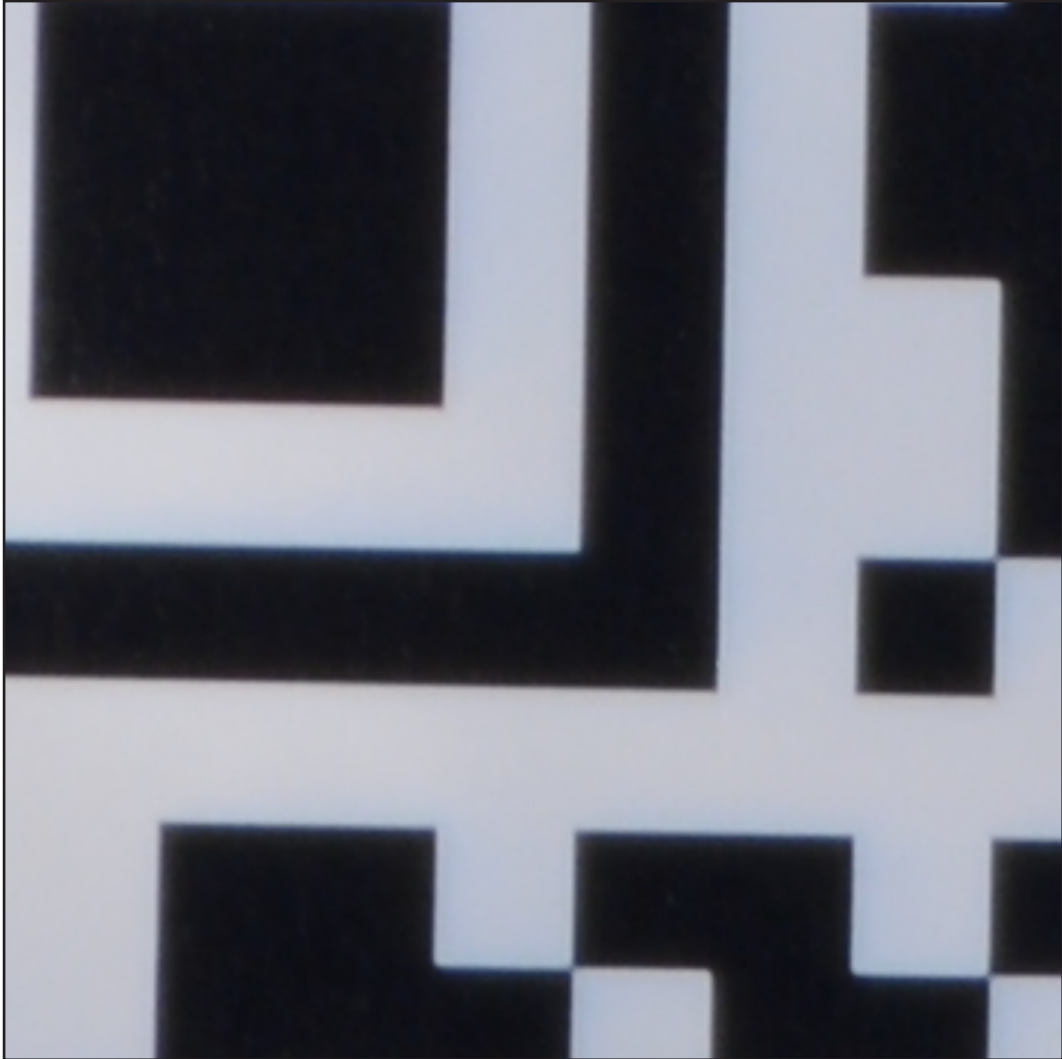
Shutter Speed: 1/250s

EV: 13,2

Quality of Focus Measure: 1693,9 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 13**

Aperture: f/6,3

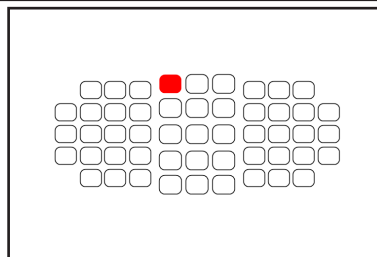
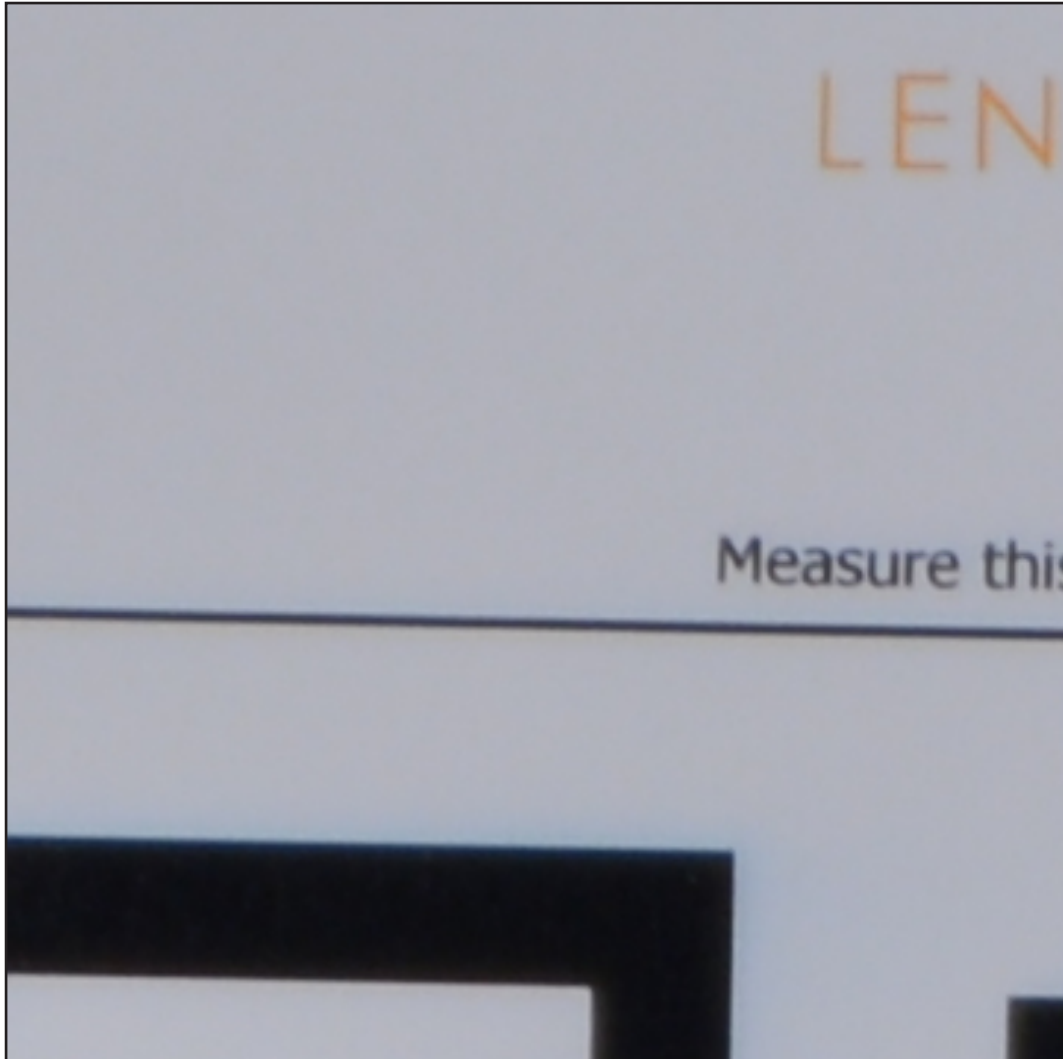
Shutter Speed: 1/320s

EV: 13,6

Quality of Focus Measure: 1852,8 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):





**Details for Focus Point 14**

Aperture: f/6,3

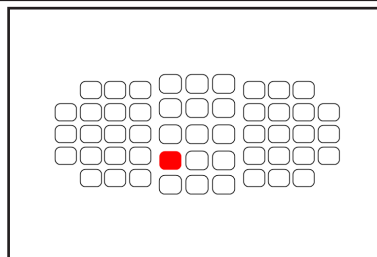
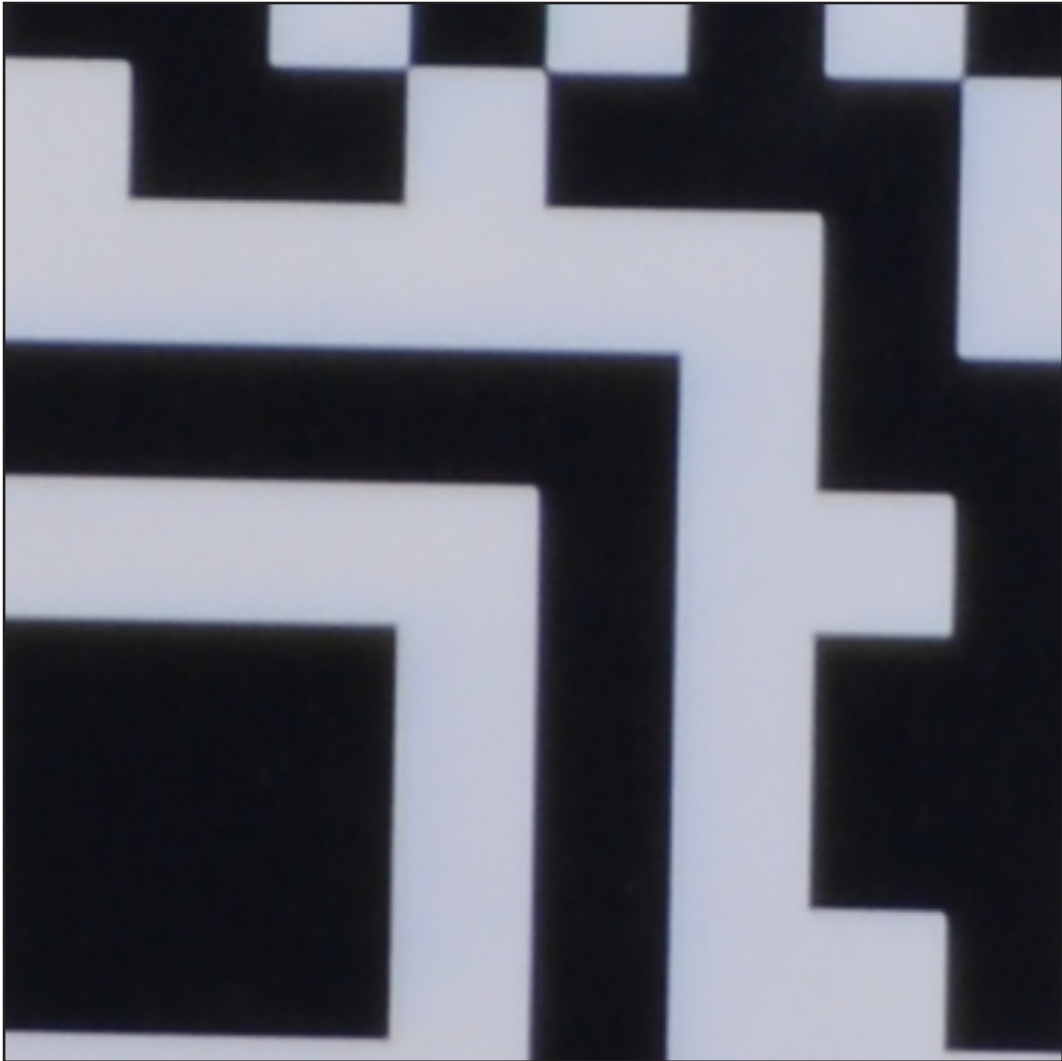
Shutter Speed: 1/200s

EV: 12,9

Quality of Focus Measure: 1758,3 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):



**Details for Focus Point 15**

Aperture: f/6,3

Shutter Speed: 1/400s

EV: 13,9

Quality of Focus Measure: 1903,6 (a higher value is a better quality image)

Overall Focus Quality measure (QoF/Maximum QoF): 1,00 (the best value is always 1.00)

The following image shows a 1:1 crop centred on the analysed region (note that the analysed region is a little larger than the image shown):

