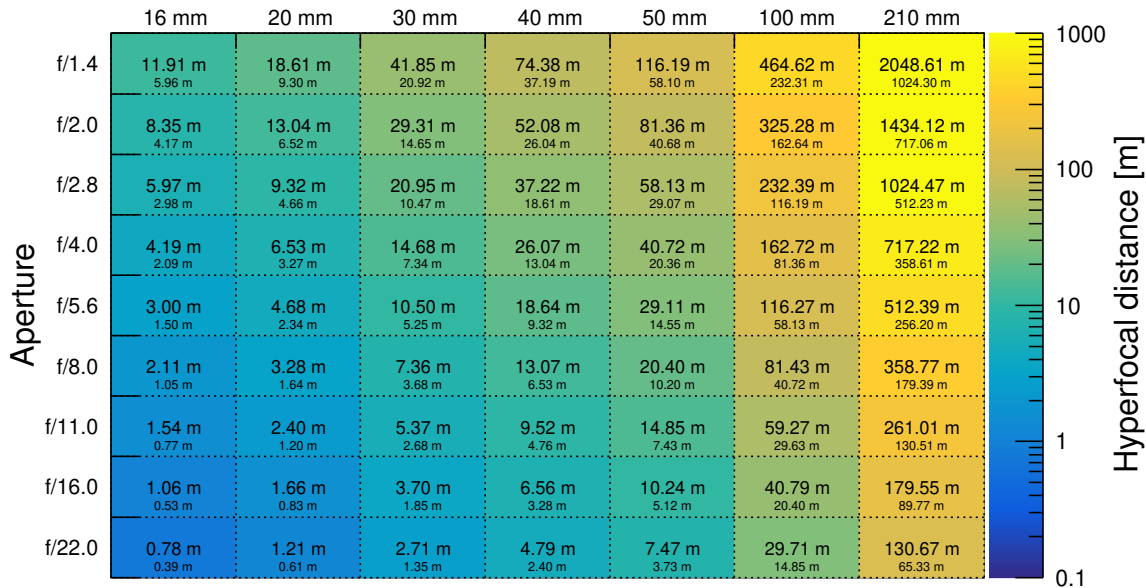


Hyperfocal distance

Hyperfocal distance | Sony α 6000 (aps-c) | CoC = 0.036 mm

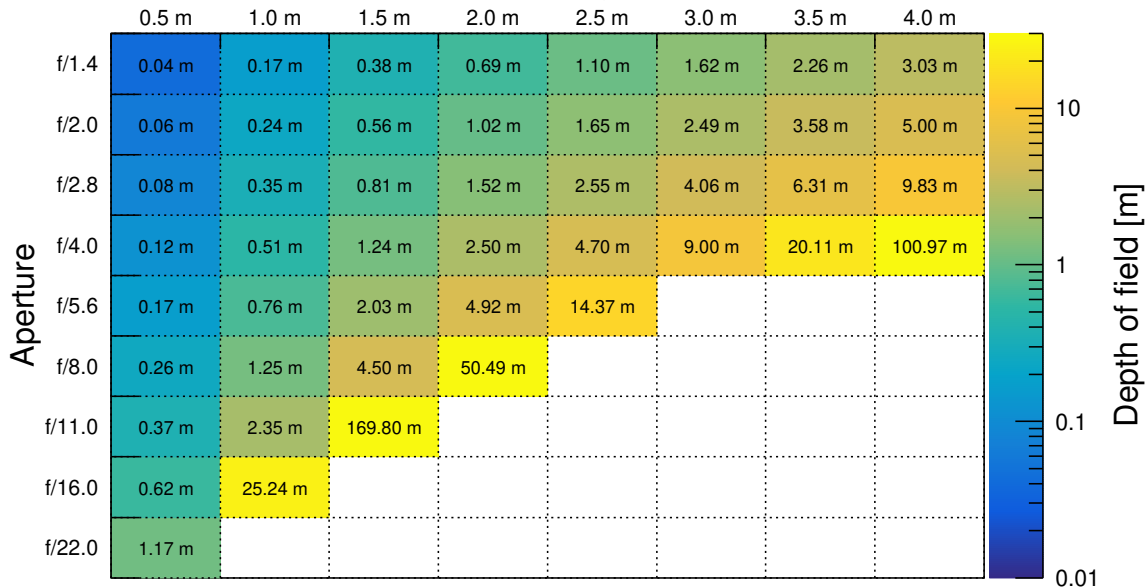
Focal length



Depth of Field

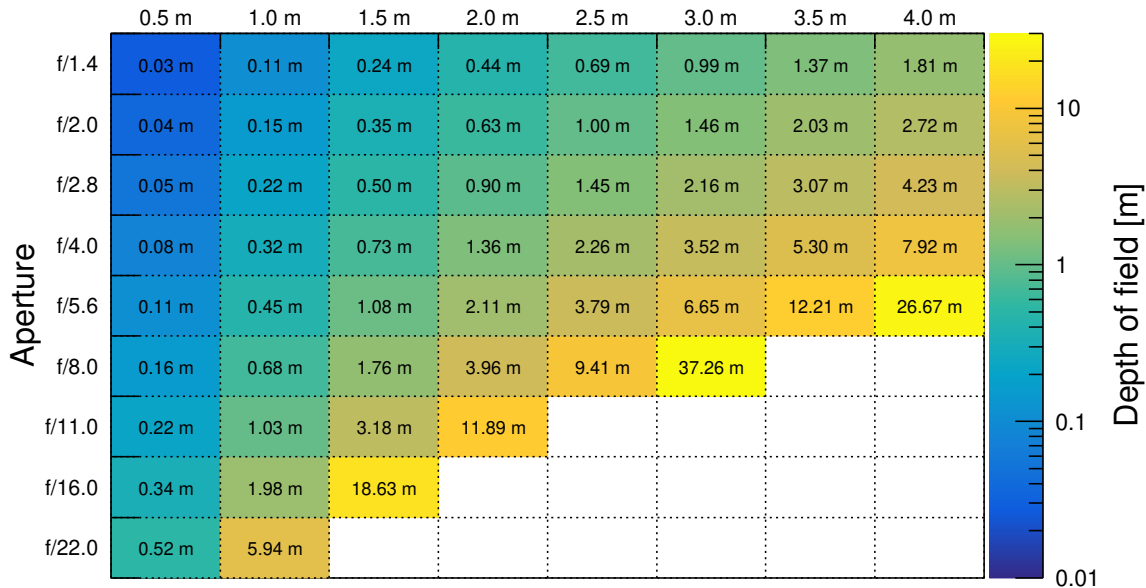
Depth of Field | **Focal length = 16 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



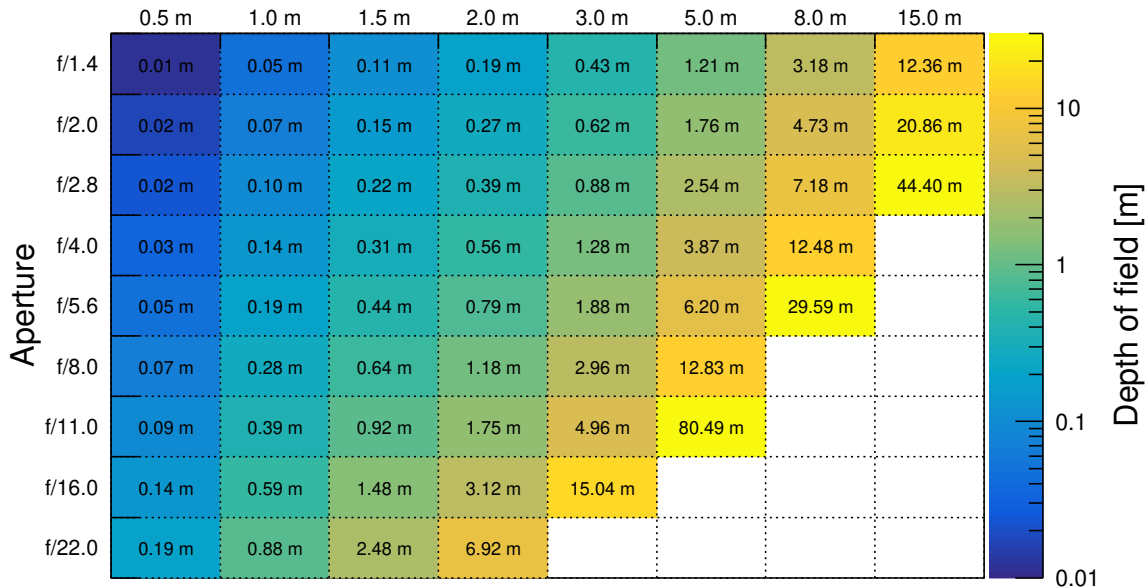
Depth of Field | **Focal length = 20 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



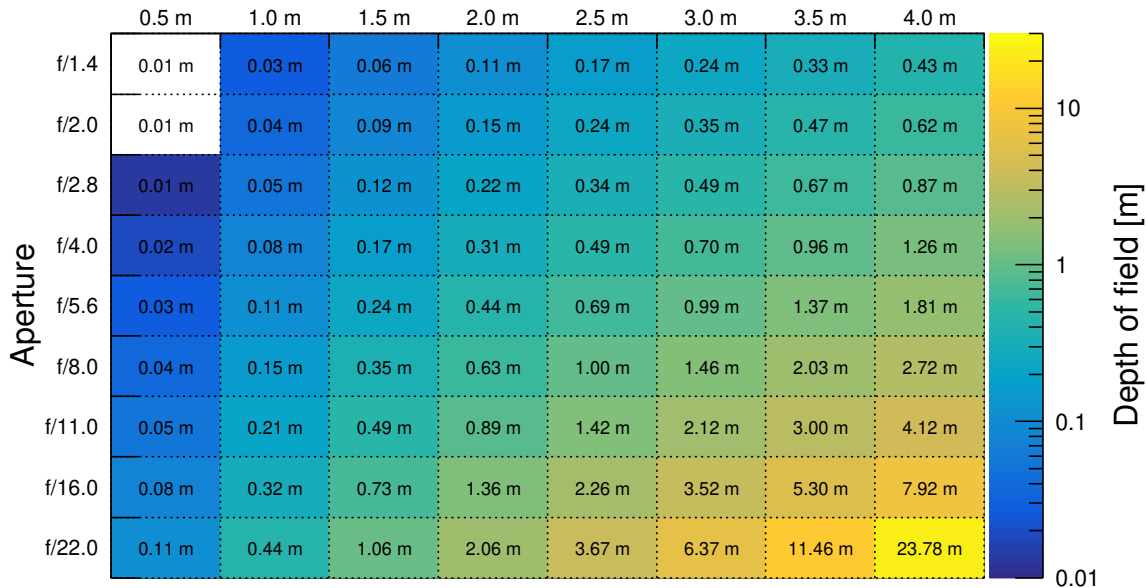
Depth of Field | **Focal length = 30 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



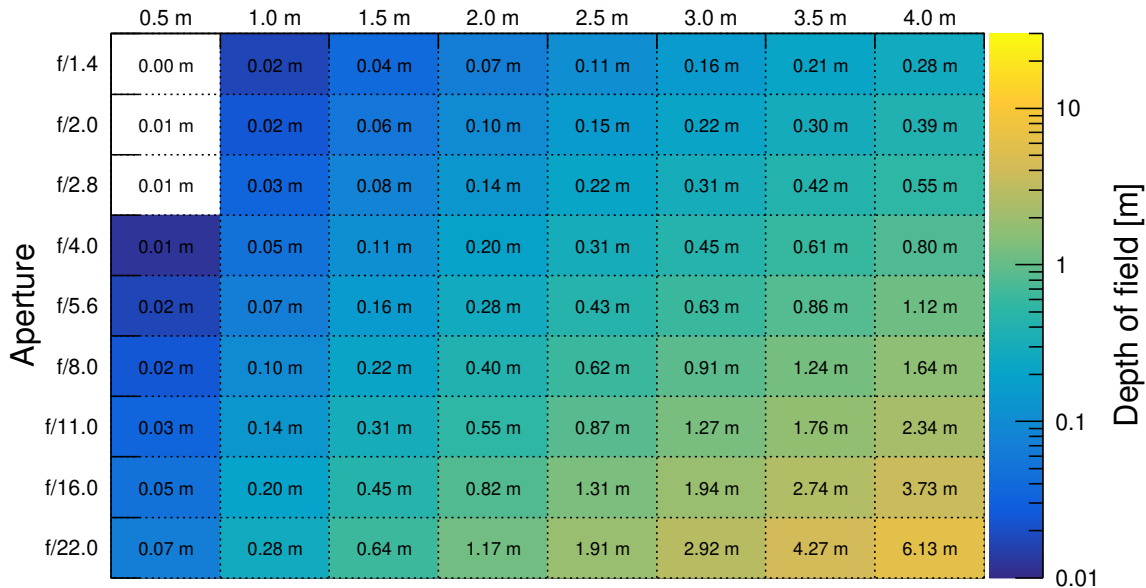
Depth of Field | **Focal length = 40 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



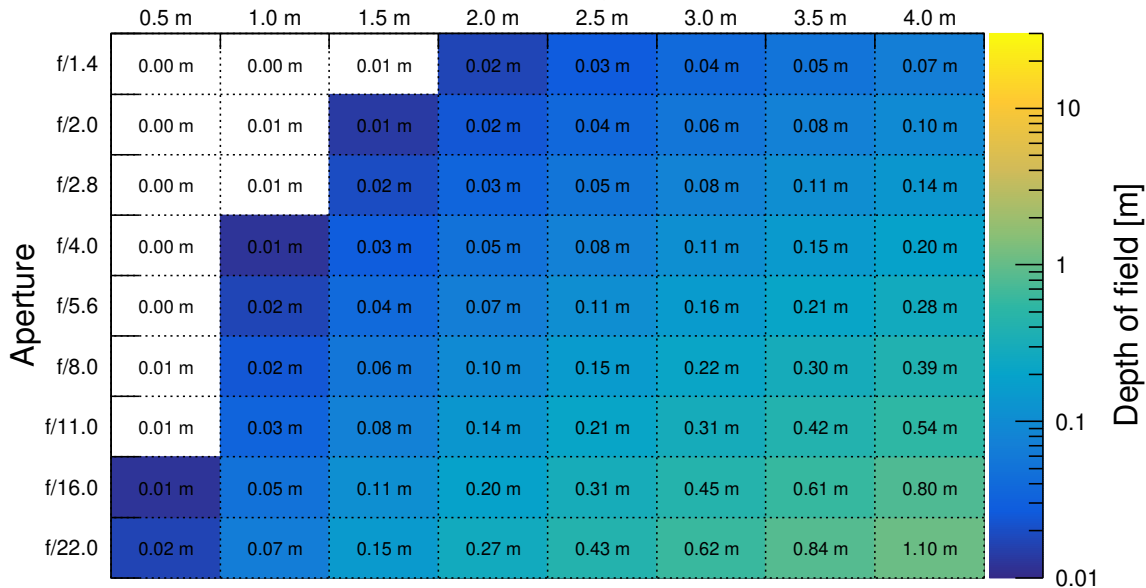
Depth of Field | **Focal length = 50 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



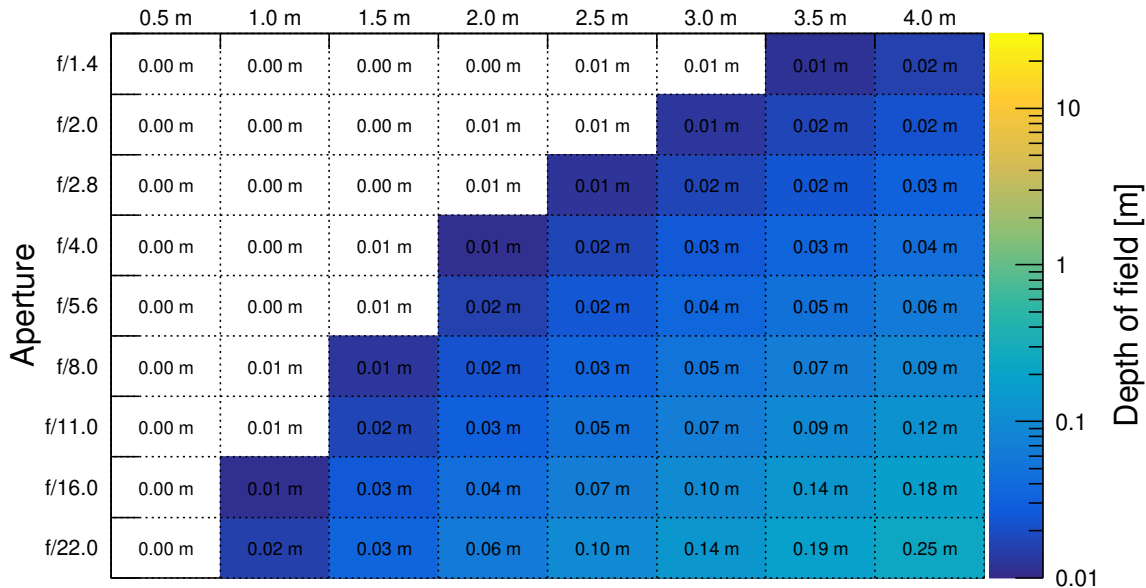
Depth of Field | **Focal length = 100 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



Depth of Field | **Focal length = 210 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

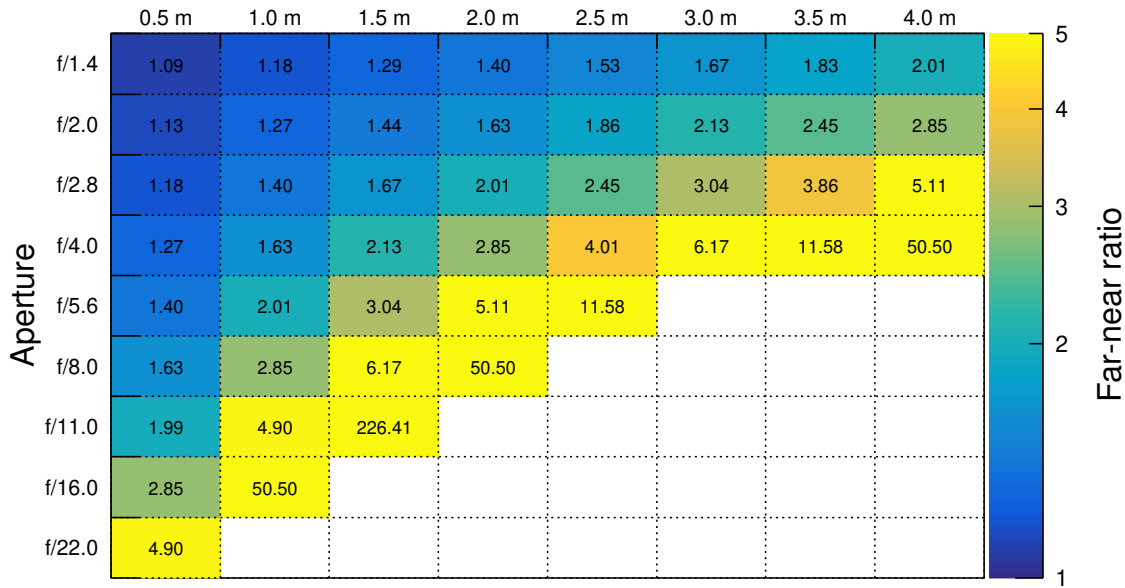
Focus length



Far-Near ratio

Far-Near ratio | **Focal length = 16 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length



Far-Near ratio | **Focal length = 20 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length

0.5 m 1.0 m 1.5 m 2.0 m 2.5 m 3.0 m 3.5 m 4.0 m

Aperture

f/1.4

1.06

1.11

1.18

1.24

1.31

1.39

1.46

1.55

f/2.0

1.08

1.17

1.26

1.36

1.48

1.60

1.74

1.89

f/2.8

1.11

1.24

1.39

1.55

1.74

1.95

2.21

2.51

f/4.0

1.17

1.36

1.60

1.89

2.25

2.71

3.33

4.20

f/5.6

1.24

1.55

1.95

2.51

3.33

4.65

7.12

13.41

f/8.0

1.36

1.89

2.71

4.20

7.66

24.88

f/11.0

1.54

2.47

4.47

11.97

f/16.0

1.89

4.20

24.88

f/22.0

2.47

11.97

Far-near ratio

5

4

3

2

1

Far-Near ratio | **Focal length = 30 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length

0.5 m 1.0 m 1.5 m 2.0 m 3.0 m 5.0 m 8.0 m 15.0 m

Aperture

f/1.4

1.02

1.05

1.07

1.10

1.15

1.27

1.47

2.12

f/2.0

1.03

1.07

1.11

1.15

1.23

1.41

1.75

3.10

f/2.8

1.05

1.10

1.15

1.21

1.34

1.63

2.24

6.08

f/4.0

1.07

1.15

1.23

1.32

1.52

2.04

3.41

f/5.6

1.10

1.21

1.34

1.47

1.81

2.83

7.53

f/8.0

1.15

1.32

1.52

1.75

2.39

5.32

f/11.0

1.21

1.46

1.79

2.20

3.59

32.23

f/16.0

1.32

1.75

2.39

3.41

10.12

f/22.0

1.46

2.20

3.59

7.06

5

4

3

2

1

Far-near ratio

Far-Near ratio | **Focal length = 40 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length

0.5 m 1.0 m 1.5 m 2.0 m 2.5 m 3.0 m 3.5 m 4.0 m

Aperture

f/1.4

1.01

1.03

1.04

1.06

1.07

1.08

1.10

1.11

f/2.0

1.02

1.04

1.06

1.08

1.10

1.12

1.14

1.17

f/2.8

1.03

1.06

1.08

1.11

1.14

1.18

1.21

1.24

f/4.0

1.04

1.08

1.12

1.17

1.21

1.26

1.31

1.36

f/5.6

1.06

1.11

1.18

1.24

1.31

1.39

1.46

1.55

f/8.0

1.08

1.17

1.26

1.36

1.48

1.60

1.74

1.89

f/11.0

1.11

1.24

1.38

1.54

1.72

1.93

2.17

2.47

f/16.0

1.17

1.36

1.60

1.89

2.25

2.71

3.33

4.20

f/22.0

1.24

1.54

1.93

2.47

3.24

4.47

6.70

11.97

5

4

3

2

1

Far-near ratio

Far-Near ratio | **Focal length = 50 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length

0.5 m 1.0 m 1.5 m 2.0 m 2.5 m 3.0 m 3.5 m 4.0 m

Aperture

f/1.4

1.01

1.02

1.03

1.04

1.04

1.05

1.06

1.07

f/2.0

1.01

1.02

1.04

1.05

1.06

1.08

1.09

1.10

f/2.8

1.02

1.04

1.05

1.07

1.09

1.11

1.13

1.15

f/4.0

1.02

1.05

1.08

1.10

1.13

1.16

1.19

1.22

f/5.6

1.04

1.07

1.11

1.15

1.19

1.23

1.27

1.32

f/8.0

1.05

1.10

1.16

1.22

1.28

1.35

1.42

1.49

f/11.0

1.07

1.15

1.23

1.31

1.41

1.51

1.62

1.74

f/16.0

1.10

1.22

1.35

1.49

1.65

1.84

2.05

2.30

f/22.0

1.15

1.31

1.51

1.74

2.02

2.37

2.80

3.36

5

4

3

2

1

Far-near ratio

Far-Near ratio | **Focal length = 100 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length

0.5 m 1.0 m 1.5 m 2.0 m 2.5 m 3.0 m 3.5 m 4.0 m

Aperture

f/1.4

1.00

1.00

1.01

1.01

1.01

1.01

1.02

1.02

f/2.0

1.00

1.01

1.01

1.01

1.02

1.02

1.02

1.02

f/2.8

1.00

1.01

1.01

1.02

1.02

1.03

1.03

1.04

f/4.0

1.01

1.01

1.02

1.02

1.03

1.04

1.04

1.05

f/5.6

1.01

1.02

1.03

1.04

1.04

1.05

1.06

1.07

f/8.0

1.01

1.02

1.04

1.05

1.06

1.08

1.09

1.10

f/11.0

1.02

1.03

1.05

1.07

1.09

1.11

1.13

1.15

f/16.0

1.02

1.05

1.08

1.10

1.13

1.16

1.19

1.22

f/22.0

1.03

1.07

1.11

1.15

1.18

1.23

1.27

1.31

5

4

3

2

1

Far-near ratio

Far-Near ratio | **Focal length = 210 mm** | Sony α 6000 (aps-c) | CoC = 0.036 mm

Focus length

0.5 m 1.0 m 1.5 m 2.0 m 2.5 m 3.0 m 3.5 m 4.0 m

Aperture

f/1.4

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

f/2.0

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.01

f/2.8

1.00

1.00

1.00

1.00

1.00

1.01

1.01

1.01

f/4.0

1.00

1.00

1.00

1.01

1.01

1.01

1.01

1.01

f/5.6

1.00

1.00

1.01

1.01

1.01

1.01

1.01

1.02

f/8.0

1.00

1.01

1.01

1.01

1.01

1.02

1.02

1.02

f/11.0

1.00

1.01

1.01

1.02

1.02

1.02

1.03

1.03

f/16.0

1.01

1.01

1.02

1.02

1.03

1.03

1.04

1.05

f/22.0

1.01

1.02

1.02

1.03

1.04

1.05

1.06

1.06

5

4

3

2

1

Far-near ratio