

B+W Close-up Lenses



1 B+W NL 0.25

This is a +0.25 diopter lens with a focal length of 4000 mm.

2 B+W NL 0.50

This lens is a +0.50 diopter and has a 2000 mm focal length.

3 B+W NL 1

This lens +1 diopter and focal length of 1000 mm.

4 B+W NL 2

This is a +2 diopter lens of 500 mm focal length.

5 B+W NL 3

This lens is a +3 diopter 333 mm focal length.

6 B+W NL 4

This lens is a +4 diopter and focal length of 250 mm.

7 B+W NL 5

This is a +5 diopter lens with 200 mm focal length.

8 B+W Macro Lens

This lens has a diopter of +10 and 100 mm focal length. As it fills the frame of the 35 mm format, lifesize to somewhat larger than lifesize pictures are possible.

B+W close-up lenses are high-quality optical magnifying lenses which shorten the close-focusing distance of the lens. It allows the lens to go closer to the subject than before and to achieve a larger image scale. An increase in the exposure time is not necessary. These lenses can be combined by adding their refractive powers. Do not combine more than two close-up lenses because there is a danger of mechanical vignetting. Sharp-focus setting is ensured with close-up lenses through normal SLR cameras, by observation through the viewfinder, or through autofocus.

See pages 47 – 49 for types and sizes.

Lens focusing-distance in m	Close-up lens/Diopter/Distance to subject in m							
	NL 0.25 +0.25	NL 0.50 +0.5	NL 1 +1.0	NL 2 +2.0	NL 3 +3.0	NL 4 +4.0	NL 5 +5.0	Macro Lens +10
∞	4.00	2.00	1.00	0.50	0.33	0.25	0.20	-
10	2.86	1.67	0.90	0.47	0.325	0.245	0.20	-
7	2.55	1.56	0.87	0.46	0.32	0.24	0.195	-
5	2.22	1.43	0.83	0.45	0.31	0.235	0.19	-
3	1.71	1.20	0.75	0.42	0.30	0.23	0.185	-
1	0.80	0.67	0.50	0.33	0.25	0.20	0.165	0.09
0.5	0.44	0.40	0.33	0.25	0.20	0.16	0.14	0.08

Video

If the video camera does not have macro capabilities, we recommend using the B+W close-up lenses.

Tip

Due to the shallow depth of field inherent in macro photography, we recommend stopping down by 2 – 3 f-stops.