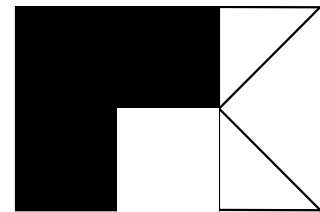


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PK elektronik



## Zubehör Optiken

Serie T/B 200 - 360 - 400  
Serie T/B 250 - 335 - 365 - 425  
Serie T420 - 440  
Serie E30-E60 [bx]

## IR lens, 76 mm (6°) with case and mounting

Part number: T197408

### Technical data

Field of view (FOV)	6° x 4.5°
Minimum focus distance	4 m (13.11 ft.)
Focal length	76 mm (3.0 in.)
Spatial resolution (IFOV)	0.53 mrad/0.33 mrad
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T200, B200, T250 and B250 and the second piece of data is for T360, B360, T400 and B400
Weight	Lens: 0.328 kg (0.723 lb.) Support: 0.099 kg (0.218 lb.)
Size (L x D)	106 x 89 mm (4.17 x 3.48 in.), excluding support

### Scope of delivery

- Lens
- Lens case
- Mounting support



**nicht** Serie E30-E60 [bx]

## IR lens, f = 30 mm, 15° incl. case

Part number: 1196961

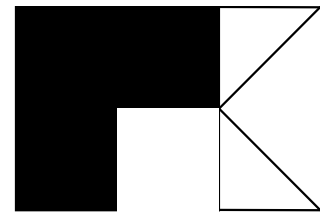
### Technical data

Field of view (FOV)	15° x 11.25°
Minimum focus distance	1.2 m (3.93 ft.)
Focal length	30.38 mm (1.2 in.)
Spatial resolution (IFOV)	1.31 mrad/0.82 mrad
F-number	1.3
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.092 kg (0.203 lb.), incl. two lens caps
Size (L x D)	24 x 58 mm (1.0 x 2.3 in.)

### Scope of delivery

- Lens
- Lens case





## Zubehör Optiken

Serie T/B 200 - 360 - 400  
Serie T/B 250 - 335 - 365 - 425  
Serie T420 - 440  
Serie E30-E60 [bx]

### IR lens, f = 10 mm, 45° incl. case

Part number: 1196960

#### Technical data

Field of view (FOV)	45° x 33.8°
Minimum focus distance	0.20 m (0.66 ft.)
Focal length	9.66 mm (0.38 in.)
Spatial resolution (IFOV)	3.93 mrad/2.45 mrad
F-number	1.3
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.105 kg (0.231 lb.), incl. two lens caps
Size (L x D)	38 x 47 mm (1.5 x 1.9 in.)

#### Scope of delivery

- Lens
- Lens case



### IR lens, 4 mm (90°) with case and mounting

Part number: T197412

#### Technical data

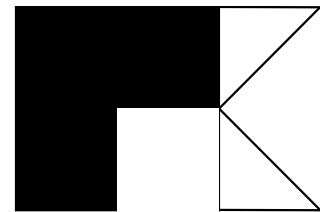
Field of view (FOV)	90° x 73°
Minimum focus distance	20 mm (0.79 in.)
Focal length	4 mm (0.157 in.)
Spatial resolution (IFOV)	10 mrad/8.3 mrad/6.3 mrad
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	5%
Lens note	When three pieces of data are separated by "/" the first piece of data is for cameras with IR resolution 200 x 150 pixels, the second piece of data is for cameras with IR resolution 240 x 180 pixels and the third is for cameras with IR resolution 320 x 240 pixels
Weight	Lens: 0.262 kg (0.578 lb.) Support: 0.053 kg (0.117 lb.)
Size (L x D)	90 x 60 mm (3.54 x 2.36 in.), excluding support

#### Shipping information

- Lens
- Lens case
- Mounting support



**nicht** Serie E30-E60 [bx]



## Zubehör Optiken

Serie T/B 200 - 360 - 400  
Serie T/B 250 - 335 - 365 - 425  
Serie T420 - 440  
Serie E30-E60 [bx]

### Close-up 4x (100 µm) incl. case

Part number T197215

#### Technical data

Field of view (FOV)	32 x 24 mm
Magnifying factor	4x
Working distance	79 mm
Depth of field	±2.0 mm
Focal length	73 mm (2.9 in.)
Spatial resolution (IFOV)	160 µm/100 µm
F-number	1.3
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.11 kg (0.24 lb.)
Size (L x D)	35.2 x 55 mm

#### Scope of delivery

- Lens
- Lens case



**nicht** Serie E30-E60 [bx]

### Close-up 2x (50 µm) incl. case

Part number: T197214

#### Technical data

Field of view (FOV)	16 x 12 mm
Magnifying factor	2x
Working distance	33 mm
Depth of field	±0.4 mm
Focal length	37 mm (1.5 in.)
Spatial resolution (IFOV)	80 µm/50 µm
F-number	1.3
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.11 kg (0.24 lb.)
Size (L x D)	35.2 x 55 mm

#### Scope of delivery

- Lens
- Lens case



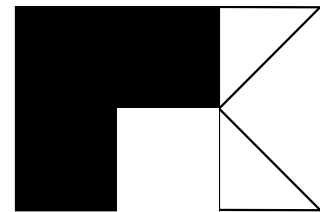
**nicht** Serie E30-E60 [bx]

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**PK elektronik****Zubehör Optiken**

Serie T/B 200 - 360 - 400  
Serie T/B 250 - 335 - 365 - 425  
Serie T420 - 440  
Serie E30-E60 [bx]

**Close-up 1× (25 µm) with case and mounting**

Part number: T197415

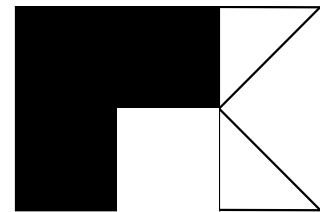
**Technical data**

Field of view (FOV)	8 × 6 mm
Magnifying factor	1×
Working distance	20 mm
Depth of field	±0.15 mm
Focal length	18.2 mm (0.72 in.)
Spatial resolution (IFOV)	25 µm
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	The lens and mounting support does not mechanically fit the FLIR T/Bxxx series.
Weight	0.38 kg (0.83 lb.)
Size (L × D)	167 × 60 mm

**Shipping information**

- Lens
- Lens case
- Mounting support

**nicht** Serie E30-E60 [bx]



**Zubehör Optiken**  
Serie T620 - 640 [bx]

**IR lens, f = 88,9 mm, 7° with case and mounting**

Part number: T198166

**Technical data**

Field of view (FOV)	7° x 5.3° (8.7° diagonally)
Minimum focus distance	2.0 m (6.6 ft.)
Focal length	88.9 mm (3.5 in.)
Spatial resolution (IFOV)	0.19 mrad
Lens identification	Automatic
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Weight	0.77 kg (0.70 lb.)
Weight, lens	0.71 kg (1.57 lb.)
Size (L x D)	96 x 126 mm (3.78 x 4.96 in.), excluding support
Front lens diameter	96 mm (3.78 in.)

**Scope of delivery**

- Lens
- Lens case
- Front lens cap
- Rear lens cap
- Mounting support
- Lens mounting instructions



**IR lens, f = 41,3 mm, 15° with case**

Part number: T197914

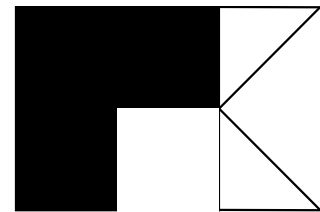
**Technical data**

Field of view (FOV)	15° x 11° (19° diagonally)
Minimum focus distance	500 mm (19.69 in.)
Focal length	41.3 mm (1.63 in.)
Spatial resolution (IFOV)	0.41 mrad
Lens identification	Automatic
F-number	1.0
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Weight	0.190 kg (0.419 lb.)
Size (L x D)	47 x 67 mm (1.85 x 2.64 in.)
Front lens diameter	52 mm (2.05 in.)

**Scope of delivery**

- Lens
- Lens case
- Front lens cap
- Rear lens cap





## Zubehör Optiken

Serie T620 - 640 [bx]

### IR lens, f = 24,6 mm, 25° with case

Part number: T197922

#### Technical data

Field of view (FOV)	25° x 19° (31° diagonally)
Minimum focus distance	250 mm (9.84 in.)
Focal length	24.6 mm (0.97 in.)
Spatial resolution (IFOV)	0.69 mrad
Lens identification	Automatic
F-number	1.0
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Weight	0.160 kg (0.353 lb.)
Size (L x D)	41 x 67 mm (1.61 x 2.64 in.)
Front lens diameter	32 mm (1.26 in.)

#### Shipping information

- Lens
- Lens case
- Front lens cap
- Rear lens cap



### IR lens, f = 13,1 mm, 45° with case

Part number: T197412

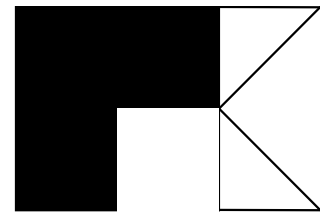
#### Technical data

Field of view (FOV)	45° x 34° (55° diagonally)
Minimum focus distance	150 mm (5.91 in.)
Focal length	13.1 mm (0.52 in.)
Spatial resolution (IFOV)	1.29 mrad
Lens identification	Automatic
F-number	1.0
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Weight	0.209 kg (0.461 lb.)
Size (L x D)	50 x 67 mm (1.97 x 2.64 in.)
Front lens diameter	30 mm (1.18 in.)

#### Scope of delivery

- Lens
- Lens case
- Front lens cap
- Rear lens cap





**Zubehör Optiken**  
Serie T620 - 640 [bx]

**IR lens, f = 6,5 mm, 80° with case**

Part number T198065

**Technical data**

Field of view (FOV)	80° x 64.4° ( 92.8° diagonal)
Minimum focus distance	65 mm (2.6 in.)
Focal length	6.5 mm (0.26 in.)
Spatial resolution (IFOV)	2.62 mrad
Lens identification	Automatic
F-number	1.0
Number of lenses	5 (5 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	5%
Weight	0.428 kg (0.944 lb.)
Size (L x D)	126 x 67 mm (4.96 x 2.64 in.)
Front lens diameter	25 mm 0.98 in.)

**Shipping information**

- Lens
- Lens case
- Front lens cap
- Rear lens cap



**Close-up 5,8x (100 µm) with case**

Part number: T198060

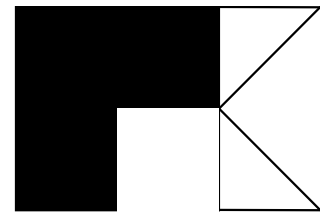
**Technical data**

Field of view (FOV)	64 x 48 mm (80 mm diagonally)
Magnifying factor	5.8x
Working distance	172 mm
Depth of field	2.8 mm
Focal length	149 mm
Spatial resolution (IFOV)	100 µm
Lens identification	Manual
F-number	1.0
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	The close-up lens is mounted on the 25° lens
Weight	0.176 kg (0.39 lb.)
Size (L x D)	28 x 67 mm
Front lens diameter	53 mm

**Shipping information**

- Lens
- Front lens cap
- Rear lens cap
- Case
- Instruction for mounting close-up lenses





**Zubehör Optiken**  
Serie T620 - 640 [bx]

**Close-up 2,9× (50 µm) with case**

Part number: T198059

**Technical data**

Field of view (FOV)	32 x 24 mm (40 mm diagonally)
Magnifying factor	2.9x
Working distance	84 mm
Depth of field	0.65 mm
Focal length	78 mm
Spatial resolution (IFOV)	50 µm
Lens identification	Manual
F-number	1.0
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	The close-up lens is mounted on the 25° lens
Weight	0.197 kg (0.43 lb.)
Size (L x D)	32 x 67 mm
Front lens diameter	53 mm

**Shipping information**

- Lens
- Front lens cap
- Rear lens cap
- Case
- Instruction for mounting close-up lenses



**Close-up 1,5× (25 µm) with case**

Part number: T197214

**Technical data**

Field of view (FOV)	16 x 12 mm (20 mm diagonally)
Magnifying factor	1.5x
Working distance	46 mm
Depth of field	0.21 mm
Focal length	62 mm
Spatial resolution (IFOV)	25 µm
Lens identification	Automatic
F-number	1.1
Number of lenses	4 (4 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	< 3%
Weight	0.48 kg (1.1 lb.)
Size (L x D)	86 x 67 mm
Front lens diameter	52 mm

**Shipping information**

