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○ CCD & CMOS Lenses

CCD & CMOS LENSES (1/2" MEGA-PIXEL)

| MODEL | FOCAL LENGTH (mm) | FRANGE BACK(mm) | IRIS | LENS CONSTRUCTION | MAXIMUM RELATIVE(F) APERTURE | ANGULAR FIELD OF VIEW (DIAGONAL) | USEFUL OBJECTIVE DISTANCE | LENS LEMGTH (mm) | THREAD TYPE | FOR USE |
|---------------|-------------------|-----------------|-------|-------------------|------------------------------|----------------------------------|---------------------------|------------------|-------------|-------------|
| BW350H-1000 | 35.0 | 15.80 | FIXED | 4-4 | 2.0 | 13° | 40cm-∞ | 39.3 | M12XP0.5 | |
| BW500H-1000 | 50.0 | 4.1 | FIXED | 4-4 | 2.5 | 9.2° | 40cm-∞ | 56.9 | M12XP0.5 | |
| BW992BRS-1000 | 10.6 | 6.12 | FIXED | 5-5 | 2.8 | 44° | 40cm-∞ | 13.40 | M12XP0.5 | 1.2 M Pixel |
| BW1043BR-1000 | 10.4 | 7.51 | FIXED | 5-5 | 2.8 | 43° | 40cm-∞ | 8.93 | M12XP0.5 | 1.2 M Pixel |

BOARD LENSES FOR 1/3" CCD & CMOS

| MODEL | FOCAL LENGTH (mm) | FRANGE BACK(mm) | IRIS | LENS CONSTRUCTION | MAXIMUM RELATIVE(F) APERTURE | ANGULAR FIELD OF VIEW (DIAGONAL) | USEFUL OBJECTIVE DISTANCE | TOTAL LENGTH (mm) | THREAD TYPE |
|--------------|-------------------|-----------------|-------|-------------------|------------------------------|----------------------------------|---------------------------|-------------------|-------------|
| BW21W-1000 | 2.18 | 6.54 | FIXED | 5 | 2.5 | 170.5° | 40cm-∞ | 18.3 | M12XP0.5 |
| BW25H-1000 | 2.5 | 4.4 | FIXED | 6-6 | 2.5 | 140° | 40cm-∞ | 24.7 | M12XP0.5 |
| BW29H-1000 | 2.9 | 5.20 | FIXED | 6-6 | 2.0 | 129° | 40cm-∞ | 23.0 | M12XP0.5 |
| BW30H-1000 | 3.0 | 5.3 | FIXED | 4-4 | 2.0 | 126° | 40cm-∞ | 20.6 | M12XP0.5 |
| BW36J-1000 | 3.6 | 5.49 | FIXED | 4 | 2.0 | 92° | 40cm-∞ | 15.33 | M12XP0.5 |
| BW38B-1000 | 3.94 | 5.64 | FIXED | 3-4 | 2.0 | 94.0° | 40cm-∞ | 16.2 | M12XP0.5 |
| BW432H-1000 | 4.3 | 3.25 | FIXED | 5-5 | 1.8 | 78.0° | 40cm-∞ | 13.8 | M12XP0.5 |
| BW58B-1000 | 6.05 | 8.00 | FIXED | 3-4 | 1.8 | 58.0° | 40cm-∞ | 15.26 | M12XP0.5 |
| BW653BF-7000 | 6.5 | 1.97 | FIXED | 4-4 | 2.8 | 51.0° | 40cm-∞ | 9.73 | M12XP0.5 |
| BW80H-1000 | 8.0 | 5.80 | FIXED | 3-3 | 2.5 | 38.6° | 80cm-∞ | 19.3 | M12XP0.5 |
| BW120H-1000 | 12.0 | 6.20 | FIXED | 3-3 | 2.0 | 27.9° | 80cm-∞ | 18.3 | M12XP0.5 |
| BW160H-1000 | 16.0 | 8.00 | FIXED | 3-3 | 2.0 | 21° | 40cm-∞ | 22.4 | M12XP0.5 |
| BW250H-1000 | 25.0 | 8.00 | FIXED | 4-4 | 2.5 | 13.3° | 20cm-∞ | 31.3 | M12XP0.5 |
| BW432H-1000 | 4.3 | 3.25 | FIXED | 5-5 | 1.8 | 59.0° | 40cm-∞ | 13.8 | M12XP0.5 |
| BW500H-1000 | 50.0 | 4.1 | FIXED | 4-4 | 2.5 | 6.8° | 40cm-∞ | 56.9 | M12XP0.5 |

BOARD LENSES FOR 1/4" CCD & CMOS

| MODEL | FOCAL LENGTH (mm) | FRANGE BACK (mm) | IRIS | LENS CONSTRUCTION | MAXIMUM RELATIVE(F) APERTURE | ANGULAR FIELD OF VIEW (DIAGONAL) | USEFUL OBJECTIVE DISTANCE | TOTAL LENGTH (mm) | THREAD TYPE |
|-------------|-------------------|------------------|-------|-------------------|------------------------------|----------------------------------|---------------------------|-------------------|-------------|
| BW16H-1000 | 1.68 | 3.3 | FIXED | 5-5 | 2.5 | 170° | 40cm-∞ | 10.43 | M12XP0.5 |
| BW18N-1000 | 1.79 | 2.52 | FIXED | 6 | 2.0 | 160.3° | 40cm-∞ | 16.77 | M12XP0.5 |
| BW19B-1000 | 1.9 | 4.4 | FIXED | 6-6 | 2.0 | 150° | 40cm-∞ | 15 | M12XP0.5 |
| BW21H-1000 | 2.1 | 4.8 | FIXED | 6-6 | 2.0 | 122° | 40cm-∞ | 19.4 | M12XP0.5 |
| BW21W-1000 | 2.18 | 6.54 | FIXED | 5 | 2.5 | 121.8° | 40cm-∞ | 18.3 | M12XP0.5 |
| BW25H-1000 | 2.5 | 4.4 | FIXED | 6-6 | 2.5 | 140° | 40cm-∞ | 24.7 | M12XP0.5 |
| BW29H-1000 | 2.9 | 5.20 | FIXED | 6-6 | 2.0 | 90° | 40cm-∞ | 18 | M12XP0.5 |
| BW30H-1000 | 3.0 | 5.3 | FIXED | 4-4 | 2.0 | 90.3° | 40cm-∞ | 20.6 | M12XP0.5 |
| BW36J-1000 | 3.6 | 5.49 | FIXED | 4 | 2.0 | 69° | 40cm-∞ | 15.33 | M12XP0.5 |
| BW38B-1000 | 3.94 | 5.64 | FIXED | 3-4 | 2.0 | 60.0° | 40cm-∞ | 16.2 | M12XP0.5 |
| BW57B-1000 | 5.7 | 5.86 | FIXED | 3-4 | 3.8 | 41.0° | 40cm-∞ | 8.27 | M8XP0.5 |
| BW58B-1000 | 6.05 | 8.00 | FIXED | 3-4 | 1.8 | 39.0° | 40cm-∞ | 15.26 | M12XP0.5 |
| BW60B-1000 | 6.48 | 5.30 | FIXED | 4-4 | 2.4 | 39.9° | 40cm-∞ | 13.12 | M12XP0.5 |
| BW120H-1000 | 12.0 | 6.20 | FIXED | 3-3 | 2.0 | 20.9° | 80cm-∞ | 18.3 | M12XP0.5 |

Pinhole for CCD & CMOS

PINHOLE LENSES(1/2" MEGA-PIXEL)

| MODEL | FOCAL LENGTH (mm) | FRANGE BACK (mm) | IRIS | LENS CONSTRUCTION | MAXIMUM RELATIVE(F) APERTURE | ANGULAR FIELD OF VIEW (DIAGONAL) | USEFUL OBJECTIVE DISTANCE | LENS LENGTH (mm) | THREAD TYPE | SHAPE |
|-------|-------------------|------------------|-------|-------------------|------------------------------|----------------------------------|---------------------------|------------------|-------------|-------|
| BW30P | 3.0 | 2.95 | FIXED | 1-1 | 3.5 | 110(72.6)° | 40cm-∞ | 4.30 | M12XP0.5 | FLAT |
| BW37P | 3.7 | 3.20 | FIXED | 1-1 | 3.5 | 90(59)° | 40cm-∞ | 4.30 | M12XP0.5 | FLAT |
| BW55P | 5.5 | 15.80 | FIXED | 4-4 | 2.0 | 17° | 40cm-∞ | 1.3 | M12XP0.5 | FLAT |