## **BH** series

| DL0828UC-MPY           |                         |  |  |  |  |  |
|------------------------|-------------------------|--|--|--|--|--|
| Focal Length 8mm       |                         |  |  |  |  |  |
| F-number               | F2.8 - F16.0            |  |  |  |  |  |
| Working Distance       | 0.1m - Inf              |  |  |  |  |  |
| Angle of View (1/1.1") | 69.4° x 53.8° (D 80.4°) |  |  |  |  |  |
| Mount                  | С                       |  |  |  |  |  |
| Sensor size            | 1/1.1"                  |  |  |  |  |  |
| Resolution             | 12MP                    |  |  |  |  |  |
| Filter size            | M52 P=0.75mm            |  |  |  |  |  |
| Dimensions             | φ 59.5mm x 63.3mm       |  |  |  |  |  |
| Weight                 | 178g                    |  |  |  |  |  |

| DL1224UC-MPY                                  |                   |  |  |  |  |  |  |
|-----------------------------------------------|-------------------|--|--|--|--|--|--|
| Focal Length                                  | 12mm              |  |  |  |  |  |  |
| F-number                                      | F2.4 - F16.0      |  |  |  |  |  |  |
| Working Distance                              | 0.1m - Inf        |  |  |  |  |  |  |
| Angle of View (1/1.1") 50.5° x 38.1° (D 60.2° |                   |  |  |  |  |  |  |
| Mount                                         | С                 |  |  |  |  |  |  |
| Sensor size                                   | 1/1.1"            |  |  |  |  |  |  |
| Resolution                                    | 12MP              |  |  |  |  |  |  |
| Filter size                                   | M35.5 x P0.5mm    |  |  |  |  |  |  |
| Dimensions                                    | φ 59.5mm x 57.9mm |  |  |  |  |  |  |
| Weight                                        | 163g              |  |  |  |  |  |  |

| DL1623UC-MPY           |                         |  |  |  |  |  |
|------------------------|-------------------------|--|--|--|--|--|
| Focal Length           | 16mm                    |  |  |  |  |  |
| F-number               | F2.3 - F16.0            |  |  |  |  |  |
| Working Distance       | 0.11m - Inf             |  |  |  |  |  |
| Angle of View (1/1.1") | 38.9° x 29.0° (D 47.0°) |  |  |  |  |  |
| Mount                  | С                       |  |  |  |  |  |
| Sensor size            | 1/1.1"                  |  |  |  |  |  |
| Resolution             | 12MP                    |  |  |  |  |  |
| Filter size            | M35.5 x P0.5mm          |  |  |  |  |  |
| Dimensions             | φ 59.5mm x 59.2mm       |  |  |  |  |  |
| Weight                 | 173g                    |  |  |  |  |  |

| DL2523UC-MPY           |                        |  |  |  |  |  |
|------------------------|------------------------|--|--|--|--|--|
| Focal Length           | 25mm                   |  |  |  |  |  |
| F-number               | F2.3 - F16.0           |  |  |  |  |  |
| Working Distance       | 0.12m - Inf            |  |  |  |  |  |
| Angle of View (1/1.1") | 253° x 18.7° (D 31.0°) |  |  |  |  |  |
| Mount                  | С                      |  |  |  |  |  |
| Sensor size            | 1/1.1"                 |  |  |  |  |  |
| Resolution             | 12MP                   |  |  |  |  |  |
| Filter size            | M30.5 x P0.5mm         |  |  |  |  |  |
| Dimensions             | φ 59.5mm x 56.9mm      |  |  |  |  |  |
| Weight                 | 166g                   |  |  |  |  |  |

| DL3525UC-MPY           |                         |  |  |  |  |  |
|------------------------|-------------------------|--|--|--|--|--|
| Focal Length           | 35mm                    |  |  |  |  |  |
| F-number               | F2.5 - F16.0            |  |  |  |  |  |
| Working Distance       | 0.16m - Inf             |  |  |  |  |  |
| Angle of View (1/1.1") | 18.2° x 13.4° (D 22.5°) |  |  |  |  |  |
| Mount                  | С                       |  |  |  |  |  |
| Sensor size            | 1/1.1"                  |  |  |  |  |  |
| Resolution             | 12MP                    |  |  |  |  |  |
| Filter size            | M30.5 x P0.5mm          |  |  |  |  |  |
| Dimensions             | φ 59.5mm x 57.9mm       |  |  |  |  |  |
| Weight                 | 160g                    |  |  |  |  |  |
|                        |                         |  |  |  |  |  |

| DL5028UC-MPY           |                        |  |  |  |  |  |
|------------------------|------------------------|--|--|--|--|--|
| Focal Length 50mm      |                        |  |  |  |  |  |
| F-number               | F2.8 - F16.0           |  |  |  |  |  |
| Working Distance       | 0.2m - Inf             |  |  |  |  |  |
| Angle of View (1/1.1") | 13.2° x 9.7° (D 16.3°) |  |  |  |  |  |
| Mount                  | С                      |  |  |  |  |  |
| Sensor size            | 1/1.1"                 |  |  |  |  |  |
| Resolution             | 12MP                   |  |  |  |  |  |
| Filter size            | M30.5 x P0.5mm         |  |  |  |  |  |
| Dimensions             | φ 59.5mm x 58mm        |  |  |  |  |  |
| Weight                 | 173g                   |  |  |  |  |  |

| VL6Z1626UC-MPYIR     |                              |  |  |  |  |  |
|----------------------|------------------------------|--|--|--|--|--|
| Focal Length         | 16mm - 96mm                  |  |  |  |  |  |
| F-number             | F2.6 - F16C                  |  |  |  |  |  |
| Working Distance     | 3m - Inf                     |  |  |  |  |  |
| A                    | Wide 48.1° x 35.6° (D 58.9°) |  |  |  |  |  |
| Angle of View (1.1") | Tele 8.5° x 6.3° (D 10.4°)   |  |  |  |  |  |
| Mount                | С                            |  |  |  |  |  |
| Sensor size          | 1.1"                         |  |  |  |  |  |
| Resolution           | 12MP                         |  |  |  |  |  |
| Filter size          | M67xP0.75                    |  |  |  |  |  |
| Dimensions           | 78.2mm x 83.8 x 108.96mm     |  |  |  |  |  |
| Weight               | 330g                         |  |  |  |  |  |

| EL6Z0915UCS-MPWIR       |                                                 |  |  |  |  |  |
|-------------------------|-------------------------------------------------|--|--|--|--|--|
| Focal Length 9mm - 50mm |                                                 |  |  |  |  |  |
| F-number F1.5 - F16C    |                                                 |  |  |  |  |  |
| Working Distance        | 3m - Inf                                        |  |  |  |  |  |
| Angle of View (1/1.8")  | Wide 46.1° x 26.3° (D 52.5°)                    |  |  |  |  |  |
|                         | Tele 9.0° x 5.2° (D 10.2°)                      |  |  |  |  |  |
| Mount                   | CS                                              |  |  |  |  |  |
| Sensor size 1/1.8"      |                                                 |  |  |  |  |  |
| Resolution              | 5MP                                             |  |  |  |  |  |
| Filter size             | *M67xP0.75 (With VM0918)                        |  |  |  |  |  |
| Dimensions              | 78.2mm x 83.8 x 104.8mm                         |  |  |  |  |  |
| Weight                  | 299g                                            |  |  |  |  |  |
| (+)                     | There is no filter mount on the top of the lens |  |  |  |  |  |

| EL3Z0416               | SUCS-MPWIR                                      |  |  |  |  |  |  |
|------------------------|-------------------------------------------------|--|--|--|--|--|--|
| Focal Length           | 4.0mm - 10mm                                    |  |  |  |  |  |  |
| F-number               | F1.6 - F16C                                     |  |  |  |  |  |  |
| Working Distance       | 0.2m- Inf                                       |  |  |  |  |  |  |
| Angle of View (1/1,8") | Wide 115.9° x 61.7° (D 138.1°)                  |  |  |  |  |  |  |
| Aligle of View (1/1.6) | Tele 46.0° x 25.8° (D 52.9°)                    |  |  |  |  |  |  |
| Mount                  | CS                                              |  |  |  |  |  |  |
| Sensor size            | 1/1.8"                                          |  |  |  |  |  |  |
| Resolution             | 5MP                                             |  |  |  |  |  |  |
| Filter size            | *M55 x P0.75 (With VM0418)                      |  |  |  |  |  |  |
| Dimensions             | φ 66mm x 59mm                                   |  |  |  |  |  |  |
| Weight                 | 161g                                            |  |  |  |  |  |  |
| (*)                    | There is no filter mount on the top of the lens |  |  |  |  |  |  |

(\*) There is no filter mount on the top of the lens For using filters, please attach VMO918. (\*) There is no filter mount on the top of the lens For using filters, please attach VMO418.

## RF series

| TH SCHOO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|--|--|--|
| VL0826U-MPZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |  |  |  |  |
| Focal Length 8mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |  |  |  |  |
| F-number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F2.6 - F16.0                 |  |  |  |  |
| Working Distance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.1m - Inf                   |  |  |  |  |
| Angle of View (1")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 76.9° x 61.5° (D 88.8°)      |  |  |  |  |
| Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | С                            |  |  |  |  |
| Sensor size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1"                           |  |  |  |  |
| Resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20MP                         |  |  |  |  |
| Filter size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *M82 x P0.75mm (With ZM0810) |  |  |  |  |
| Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | φ 78mm x 52.93mm             |  |  |  |  |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 334g                         |  |  |  |  |
| (a) There is a filter and a she to a filter and a she to a filter and a she to a filter a she to a fil |                              |  |  |  |  |

| (*) | There | is | no | filte | эг  | mou   | ٦t | on  | the  | to   | р   | of | the | lens | 3 |
|-----|-------|----|----|-------|-----|-------|----|-----|------|------|-----|----|-----|------|---|
|     | F     | or | US | ine   | fil | ters. | pl | eas | se a | atta | ich | 17 | MO  | 810  | ı |

| VL1226U-MPZ        |                         |  |  |  |  |  |  |
|--------------------|-------------------------|--|--|--|--|--|--|
| Focal Length       | 12mm                    |  |  |  |  |  |  |
| F-number           | F2.6 - F16.0            |  |  |  |  |  |  |
| Working Distance   | 0.1m - Inf              |  |  |  |  |  |  |
| Angle of View (1") | 56.7° x 44.1° (D 67.4°) |  |  |  |  |  |  |
| Mount              | С                       |  |  |  |  |  |  |
| Sensor size        | 1"                      |  |  |  |  |  |  |
| Resolution         | 20MP                    |  |  |  |  |  |  |
| Filter size        | M46 x P0.75mm           |  |  |  |  |  |  |
| Dimensions         | φ 75mm x 48.5mm         |  |  |  |  |  |  |
| Weight             | 273g                    |  |  |  |  |  |  |
|                    |                         |  |  |  |  |  |  |

| VL1624U-MPZ        |                        |
|--------------------|------------------------|
| Focal Length       | 16mm                   |
| F-number           | F2.6 - F16.0           |
| Working Distance   | 0.1m - Inf             |
| Angle of View (1") | 43.8° x 336° (D 53.2°) |
| Mount              | С                      |
| Sensor size        | 1"                     |
| Resolution         | 20MP                   |
| Filter size        | M43 x P0.75mm          |
| Dimensions         | φ 75mm x 52mm          |
| Weight             | 280g                   |

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| VL2520U-MPZ        |                         |
|--------------------|-------------------------|
| Focal Length       | 25mm                    |
| F-number           | F2.0 - F16.0            |
| Working Distance   | 0.15m - Inf             |
| Angle of View (1") | 28.8° x 21.8° (D 35.5°) |
| Mount              | С                       |
| Sensor size        | 1"                      |
| Resolution         | 20MP                    |
| Filter size        | M46 x P0.75mm           |
| Dimensions         | φ 78mm x 47mm           |
| Weight             | 257g                    |
|                    | ·                       |

| VL5024U-MPZ        |                         |  |
|--------------------|-------------------------|--|
| Focal Length       | 50mm                    |  |
| F-number           | F2.4 - F16.0            |  |
| Working Distance   | 0.2m - Inf              |  |
| Angle of View (1") | 14.6° x 11.0° (D 18.2°) |  |
| Mount              | С                       |  |
| Sensor size        | 1"                      |  |
| Resolution         | 20MP                    |  |
| Filter size        | M43 x P0.75mm           |  |
| Dimensions         | φ75mm x 66.5mm          |  |
| Weight             | 326g                    |  |

| VL3522U-MPZ        |                         |
|--------------------|-------------------------|
| Focal Length       | 35mm                    |
| F-number           | F2.2 - F16.0            |
| Working Distance   | 0.2m - Inf              |
| Angle of View (1") | 20.8° x 15.7° (D 25.8°) |
| Mount              | С                       |
| Sensor size        | 1"                      |
| Resolution         | 20MP                    |
| Filter size        | M43 x P0.75mm           |
| Dimensions         | φ 75mm x 66.1mm         |
| Weight             | 313g                    |

| VL7531U-MPZ        |                       |
|--------------------|-----------------------|
| Focal Length       | 75mm                  |
| F-number           | F3.1 - F16            |
| Working Distance   | 0.25m - Inf           |
| Angle of View (1") | 9.8° x 7.3° (D 12.2°) |
| Mount              | С                     |
| Sensor size        | 1"                    |
| Resolution         | 20MP                  |
| Filter size        | M43 x P0.75mm         |
| Dimensions         | φ 75mm x 87mm         |
| Weight             | TBD                   |

Specifications are subject to change without notice.





945 East 11<sup>th</sup> Avenue Tampa, FL 33605 Phone: (813) 984-0125 Contact: Sales@ pyramidimaging.com https://pyramidimaging.com