

## High Resolution Telecentric Lens

| Model                          |      | VS-TCH1-50       |   |        |    |
|--------------------------------|------|------------------|---|--------|----|
| Optical Mag.                   |      | × 1.0 ± 5 %      |   |        |    |
| FOV (V x H)                    | 2/3" | 7.1              | × | 8.4    | mm |
|                                | 1/2" | 4.8              | × | 6.4    | mm |
|                                | 1/3" | 3.6              | × | 4.8    | mm |
| WD                             |      | 53.3 mm ± 3      |   |        |    |
| O/I (Object & Imager Distance) |      | 127.8 mm         |   |        |    |
| Working F/#                    |      | 9.9              |   |        |    |
| NA                             |      | 0.050            |   |        |    |
| DOF at PCoC $\phi$ 0.04mm      |      | 0.8 mm           |   |        |    |
| TV Distortion (2/3")           |      | 0.02 %           |   |        |    |
| Relative Illuminance (Y=5.5)   |      | 99 %             |   |        |    |
| Wavelength                     |      | Visible          |   |        |    |
| Mount                          |      | C-Mount          |   |        |    |
| Flange Back                    |      | 17.526 mm        |   |        |    |
| Sensor Size (max.)             |      | 2/3"             |   |        |    |
| Co-Axial Prism                 |      | -                |   |        |    |
| Weight (approx.)               |      | 45 g             |   |        |    |
| Dimension                      |      | $\phi$ 30 (max.) | × | L = 57 | mm |