

Relative values of the zoom focal Length and the HFOV

November 7, 2013

Model No. :Y33Z15RADP

* +5V is input to +Vcc line of each potentiometer

* The range of accuracy is set to the $\pm 20\%$ in total

Detail: Approx. $\pm 5\%$ for the POT range of accuracy
 Approx. $\pm 5\%$ for the setting range of accuracy
 Approx. 10%~20% (as =1.05*1.1=1.155) for range of accuracy for both POT and setting combined

①The relative values of the Zoom Position and the HFOV ($\pm 20\%$)

| No. | Pot Wiper Voltage (Wiper電圧) | Focal Length (焦点距離) | HFOV(°)画角: 1/2" | HFOV(°)画角: 1/3" |
|-----|--------------------------------|------------------------|--------------------|--------------------|
| 1 | 0.876 | 15.2 | 23.42 | 17.57 |
| 2 | 1.058 | 18.07 | 19.63 | 14.72 |
| 3 | 1.24 | 21.43 | 16.57 | 12.43 |
| 4 | 1.385 | 24.64 | 14.45 | 10.84 |
| 5 | 1.531 | 28.41 | 12.57 | 9.43 |
| 6 | 1.677 | 32.85 | 10.92 | 8.19 |
| 7 | 1.822 | 38.1 | 9.42 | 7.07 |
| 8 | 1.968 | 44.33 | 8.11 | 6.08 |
| 9 | 2.114 | 51.76 | 6.97 | 5.23 |
| 10 | 2.259 | 60.64 | 5.96 | 4.47 |
| 11 | 2.405 | 71.31 | 5.08 | 3.81 |
| 12 | 2.551 | 84.18 | 4.31 | 3.23 |
| 13 | 2.696 | 99.77 | 3.64 | 2.73 |
| 14 | 2.842 | 118.75 | 3.06 | 2.29 |
| 15 | 2.988 | 141.94 | 2.56 | 1.92 |
| 16 | 3.133 | 170.46 | 2.13 | 1.60 |
| 17 | 3.279 | 205.72 | 1.77 | 1.33 |
| 18 | 3.425 | 249.55 | 1.46 | 1.09 |
| 19 | 3.485 | 270.9 | 1.34 | 1.01 |
| 20 | 3.546 | 294.33 | 1.24 | 0.93 |
| 21 | 3.594 | 314.79 | 1.16 | 0.87 |
| 22 | 3.631 | 331.14 | 1.10 | 0.83 |
| 23 | 3.667 | 348.49 | 1.05 | 0.78 |
| 24 | 3.704 | 366.93 | 0.99 | 0.74 |
| 25 | 3.74 | 386.49 | 0.94 | 0.71 |
| 26 | 3.776 | 407.24 | 0.89 | 0.67 |
| 27 | 3.813 | 429.24 | 0.85 | 0.64 |
| 28 | 3.837 | 444.66 | 0.82 | 0.61 |
| 29 | 3.861 | 460.76 | 0.79 | 0.59 |
| 30 | 3.886 | 477.53 | 0.76 | 0.57 |
| 31 | 3.91 | 500 | 0.74 | 0.56 |