

Specification

| MODE | | | IMAGE 3 | IMAGE 3 PLUS | IMAGE 3 PRO | IMAGE 3 PRO-H | IMAGE 3 MAX | | |
|--------------------------|--------------------------------|--|---|--------------|-------------|---------------|---------------------------------|-------------|--|
| Mage measurement | Measurement range(mm) | High precision measurement mode(X*Y*Z) | / | 126*117*75 | 226*117*75 | 226*117*75 | 205*104*75 | | |
| | | Wide field of view measurement mode(X*Y*Z) | / | 200*200*75 | 300*200*75 | 300*200*75 | 223*118*75 | | |
| | Lens field of view (mm) | High precision measurement mode | 26×18 | | | | 6.4×4.8 | | |
| | | Wide field of view measurement mode | Φ100 | | | | 18.8×14.1 | | |
| | Repeatability (μm) | High precision measurement mode | ±2 | | | | ±1 | | |
| | | Wide field of view measurement mode | ±4 | | | | ±1.5 | | |
| | Measurement accuracy(μm) | High precision measurement mode | Connectionless | ±2 | | | | ±1 | |
| | | | Connected | / | ±(2+L/50) | | | ±(1.5+L/50) | |
| | | Wide field of view measurement mode | Connectionless | ±4 | | | | ±1.5 | |
| | | | Connected | / | ±(4+L/50) | | | ±(2+L/50) | |
| Height measurement | Repeatability(μm) | | / | | | ±2 | | | |
| | Measurement accuracy(μm) | | / | | | ±(3.5+L/50) | | | |
| | Working distance(mm) | | / | | | 55 | | | |
| | Measuring range(mm) | | / | | | ±3 | | | |
| Optical system | Camera | | 1" 20MP black-white CMOS camera*2 | | | | 1" 12MP black-white CMOS camera | | |
| | Len | | Dual-magnification double-sided telecentric lens | | | | 4K HD Lens | | |
| | Surface light | | Elevated quadrant white annular light source + green interstitial light source | | | | | | |
| | Contour light | | Green parallel bottom light source | | | | | | |
| | Coaxial light | | Built-in coaxial light source(optional) | | | | Built-in coaxial light source | | |
| Height sensor | Spectral confocal probes | | / | | | 8055 | | | |
| | Spectral measurement range(mm) | | | | | 145×95×75 | 133×100×75 | | |
| | Mirror measurement angle | | | | | ±13.6° | | | |
| | Spot size(μm) | | | | | 17 | | | |
| | Linear accuracy | | | | | 0.02%F.S. | | | |
| Working stage load(kg) | | | 5 | | | | | | |
| Measurement system | | | AI-Image (Self-developed) | | | | | | |
| Power supply | | | 220V+20%, 50Hz | | | | | | |
| Working environment | | | Temperature: 20±3°C; Humidity: 30-80%(no condensation); Vibration: <0.002g 15Hz | | | | | | |
| Minimum display unit(μm) | | | 0.1 | | | | | | |
| Weight(kg) | | | 33 | 45 | 50 | 45 | 33 | | |
| Dimension(L*W*H)(mm) | | | 625*309*650 | 625*402*650 | 625*510*650 | 625*510*650 | 625*510*695 | | |