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| Product name and model | Stable camera axis optical anti tremor actuating motor |
| Main technical performance index of the product | Function: anti tremor and automatic focusing optics  Suitable pixel: 12M/16M |
| Compared with the old products, what are the improvements  (structure, material, technology, process, performance, use function) | Optical anti tremor has gradually become the trend of high order mobile phone camera configuration, but because of the hanging wire suspension structure of optical anti tremor motor, so that both optical anti tremor motor in mobile handshaken lens compensation at the same time, also led to the optical axis of the lens tilt offset, so that the camera can not maintain the best quality of the existing camera. This new product of camera steady axis optical anti tremor actuation motor according to this consideration, to replace the existing metal memory drive product wire suspension structure, make the lens mobile time axis offset is reduced to 1/5 of the old product, improve the stability of the optical axis of the lens 5 times. The new product has the following improvements:   |  |  |  |  | | --- | --- | --- | --- | |  | Old products | New product | Utility | | Texture of material | Voice coil type electromagnetic driving optical anti tremor motor | The memory metal optical anti tremor motor | The two motors are close to each other without magnetic interference | | Structure | The lens shift type optical image stabilizer, wire suspension design, easily damaged and difficult mechanical shock mirror assembly | The lens shift type optical image stabilizer, memory metal push-pull XY mobile platform, high assembly yield, stable action | 5 times higher optical axis stability, dynamic variation of the optical axis anti tremor motor 1/5, can improve the imaging quality | | Design Technique | Electromagnetic drive force and suspension wire suspension force design | Memory metal thermal shrinkage control and corresponding structure design | No magnetic interference, large thrust, can promote the glass lens, improve the quality of photography | | Technology | The assembly process of suspension suspension is difficult to automate, affecting yield and production costs | Memory metal push pull XY mobile platform, automated assembly high yield, will help mass production and reduce production costs | Automated mass production and high yield, can help reduce the cost, promote the anti tremor spread to the low order price of mobile phone camera | | Performance | Optical image stabilizer dynamic tilt angle of optical axis 0.167 pointer | Optical image stabilizer dynamic tilt angle of optical axis 0.033 pointer | 5 times higher optical axis stability, dynamic variation of the optical axis anti tremor motor 1/5, can improve the imaging quality | | Use function | Handshaken, optical anti AF. But the two optical anti tremor motor close mutual magnetic interference easily | Handshaken, optical anti AF. Two the new optical anti tremor motor close to no magnetic interference between | The development of dual camera dual lens optical image stabilizer function, strengthen the effect of tremor, enhance the quality of dual camera camera | |