|  |  |
| --- | --- |
| Product name and model | Low antenna interference automatic focusing motor for camera |
| Main technical performance index of the product | Function: Auto Focus  Suitable pixel: 8M |
| Compared with the old products, what are the improvements?  (structure, material, technology, process, performance, use function) | With the mobile phone screen frame, increase narrowed, camera and mobile phone antenna in the configuration is getting closer, considering the electromagnetic interference reduction camera autofocus motor with mobile phone antenna, the new products of low antenna interference camera autofocus motor has the following improvement:   |  |  |  |  | | --- | --- | --- | --- | |  | Old products | New product | Utility | | Texture of material | Metal shell | Non-metallic shell | Reduce the interference of metal enclosure to antenna signal | | Structure | With metal material to achieve shell impact resistance, structural strength | By strengthening the structure design, the strength of the shell structure is achieved | Mechanical reliability tests such as dropping, rolling, mechanical impact, short fall, etc. | | Design Technique | The motor magnet coil is equally arranged inside the motor with four corners and four corners | The motor magnet coil is specially designed so that the motor 1/3 region does not contain a magnet coil | Reduce the interference of motor magnet coil to antenna signal | | Technology | Magnet, single sided monopole, magnetic polarization | Magnet single side multipole magnetic polarization | Reduce the coil configuration area and reduce the motor coil interference to the antenna signal | | Performance | General linearity in 10um～15um | Linearity：≤5μm | Fast and accurate focus | | Use function | The proximity antenna configuration is prone to interference with antenna signals | Proximity antenna configuration reduces interference to antenna signals | Help to narrow the mobile phone frame, maintain good mobile communications quality, and with pre focus, clear video quality | |