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| Product name and model |  Camera bidirectional automatic focusing motor |
| Main technical performance index of the product | Function: Auto FocusSuitable pixel: 13M |
| Compared with the old products, what are the improvements(structure, material, technology, process, performance, function of use) | With the increasing demand for fast autofocus and autofocus motor power consumption, the new camera bidirectional autofocus motor has the following improvements:

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|  | Old products | New product | Utility |
| Structure | General metal case | Metal housing adds metal shield | Reduce the size of the motor opening, it is advantageous to dust prevention and increase the mobile phone fixed |
| Design Technique | One way automatic focusing | Two way automatic focusing | Using bidirectional stroke reduces the drive current and power consumption effectively |
| Technology | The hollow coil is assembled on the carrier | The coil is wound directly on the carrier | Increased reliability, impact tolerance |
| performance | Generally the optical axis is 12~15 | The optical axis is 8 | To meet the high quality and high pixel imaging applications |
| Use function | Traditional coke searching algorithm is used | Can be paired with PDAF fast focus | Image focus speed is fast |

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