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| **Cooled LW and MW 15μm thermal imaging camera core** | | | |
| **Model#** | **Z-Leo5.5-615-V03** | **Z-LEO3.0-1215** | **Z-Selex5.5-625-V01** |
| **Sensor Performance** | | | |
| Resolution | 640×512 | 1280\*1024 | 640×512 |
| Pixel size | 15μm | | 25μm |
| F# | 5.5/4.0/2.0 | 3.0 | 5.5 |
| Detector material | HgCdTe | | |
| Response wavelength | MWIR 3.7μm～4.8μm | | LWIR 7.7-9.5μm |
| NETD | ≤35mk@25℃ | ≤25mk@25℃ | ≤35mk@25℃ |
| Refrigeration method | Stirling refrigeration | | |
| Refrigeration time | ＜5min@20℃ | | |
| **Imaging &Function** | | | |
| Frame rate | 25/50/100（customizable） | | |
| Integration time | Manually adjustable | | |
| Electronic zoom | x2、x4 | | |
| Brightness/contrast | Manual/Auto | | |
| Image algorithm | NUC, image filter detail enhancement, blind pixel correction, black hot/white hot, digital noise reduction | | |
| Mirror image | Horizontal, vertical, diagonal | | |
| Self-test | Power-on self-test | | |
| Power protection | Over voltage/over current/under voltage/reverse connection protection | | |
| **Interface** | | | |
| Input voltage | DC 24V-36V/ Rated voltage 28V | | |
| Power consumption | General consumption≤15W@25℃ | | |
| Video output | PAL（single-ended, differential optional）/(CameraLink) | | |
| Communication interface | RS422 | | |
| **Environmental adaptability** | | | |
| Working temperature | -40℃～+60℃ | | |
| Storage temperature | -45℃～+70℃ - 45℃～+75℃ | | |
| Impulse Test | 30g，11ms half-sine distribution | | |
| Vibration Test | 6g，5min，three axis | | |
| Humidity | 5%～95% non-condensing | | |
| **Physical characteristics** | | | |
| Dimension(w/t connectors) | 106×101.7×79.5 | ≤157.5×96×91.1 | 147.7×89.9×116 |
| Weight (w/t lens) | ＜1.5kg | ＜1.2kg | ＜1.5kg |
| Lens | Customizable | | |