



VideolR - longwave infrared camera systems

VideolR M Series Specification

| | VideolR 320 M | VideolR 640 M |
|----------------------------------------|--------------------------------------|--------------------------------------|
| Detector | | |
| Detector type | Uncooled VOx microbolometer | Uncooled VOx microbolometer |
| Spectral response | 7.5-14 microns | 7.5-14 microns |
| Resolution | 320 x 240 | 640 x 480 |
| Pixel pitch | 28 µm | 28 µm |
| System sensitivity | <60 mK (f/1.0) | <60 mK (f/1.0) |
| Video | | |
| Frame rate | 30 Hz | 60 Hz |
| Digital video | 8- or 16-bit parallel or LVDS serial | 8- or 16-bit parallel or LVDS serial |
| Analog video | RS-170 | RS-170 |
| Video scan | Progressive scan | Progressive scan |
| Gain/level adjustment | Automatic or manual (selectable) | Automatic or manual (selectable) |
| Image polarity | White hot/black hot (selectable) | White hot/black hot (selectable) |
| Electronic zoom | 2x, 3x, 4x | 2x, 3x, 4x |
| Interface and control | | |
| Communications interface and control | RS-422 | RS-422 |
| Pixel level synchronization (gen-lock) | Selectable | Selectable |
| Electrical | | |
| Voltage (nominal) | 4.5-12.5 VDC | 4.5-12.5 VDC |
| Power @ 25°C | 2.5 W | 1.8W |
| Environmental | | |
| Operating temperature | -46C to +85C | -46C to +85C |
| Optics | | |
| Optics | Various optics available | Various optics available |
| Mounting provisions | Universal mounting plate | Universal mounting plate |

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