

QWIP Cooled IR Detector

LWIR 320 x 256 30 μ m (QWIP)

DI320-30Q

Array Features

- 320 x 256 30 μ m pitch
- High Operability
- FPA Manufacture : IRnova, Sweden

Applications

- Thermal Imaging System
- Surveillance System



Images from the 2D IR detector



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Specifications

| | |
|-------------------------|-------------------------------|
| Array format | 320 x 256 |
| Pixel pitch | 30 μ m |
| Detector type | QWIP |
| Wavelength band | LWIR(8.5 μ m~9.0 μ m) |
| Operability | $\geq 99.5\%$ (Typ. > 99.9%) |
| NETD | ≤ 25 mK |
| Readout mode | ITR or IWR |
| Cooldown time | < 7m 30s |
| Environmental condition | MIL-STD-810 |
| Operating temperature | -40~+71 $^{\circ}$ C |

DI 320-30Q Dimension

