

MLX90640

32X24 PIXEL INFRARED (IR) ARRAY

Like the pit viper, get access to the thermal world around you with the MLX90640.

MLX90640

Addresses growing demands seen across numerous applications for thermal analysis. The sensor provides enhanced resolution while still occupying an attractive price point. Primary applications for this device include people detection, fire prevention, building automation, lighting control, surveillance and air conditioning systems.

KEY FEATURES

- -40°C to 85°C operational temperature range, allows deployment in difficult industrial environments
- Can measure object temperatures between -40°C and 300°C
- A typical target object temperature accuracy of ±1°C, precision across its full measurement scale
- Noise equivalent temperature difference (NETD) of just 0.1K RMS at a 1Hz refresh rate, offers superior noise performance
- Unlike microbolometer solutions, this sensor does not need re-calibration to specific temperature requirements ensuring greater convenience and lowering operational expense
- Two different field of view (FoV) options standard 55°x35° version and a 110°x75° wide angle version



- Supplied in a 4-pin TO39 package, with the compact dimensions lowering the overall cost of the thermal imaging system
- I²C compatible digital interface, simplifying integration

The above informations' as is' and believed to be correct and accurate. Melevis disclaims any and all liability in connection with or arising out of the furnishing, application or use of the information or products; any and all liability, including without limitation, special, consequential or incidental damages; and any and all warrantics; express, statutory, implied, or by description, including warranties of times for particular purpose, non-infinite methanishing. Melevis reserves the right to change it at any time and whithout notice. Users should obtain the bates version of the information or products; any and all liability, including without limitation, special, consequential or incidental damages; to correct the serves, statutory, implicator, michaing warranties of times for particular purpose, non-influent authorities, to correct the serves the serves of the information to verify the verify relation or use of the information or products; any and all liability, including without limitation, special, consequential or incidental damages; to correct the serves the serves of the information to verify the verify relation or use of the information or products; any and all liability, including without limitation, special, consequential or incidental damages; to correct the serves the serves of the information or products are application, maching application, and all liability and all liability in connections applications application applications are applied applications and applications applications applications applications, application, maching application, and all liability and all liability application applications are applied applications applications application applications and applications application applications applications applications applications application application application appl



FOR MORE INFORMATION: WWW.MELEXIS.COM/MLX90640

