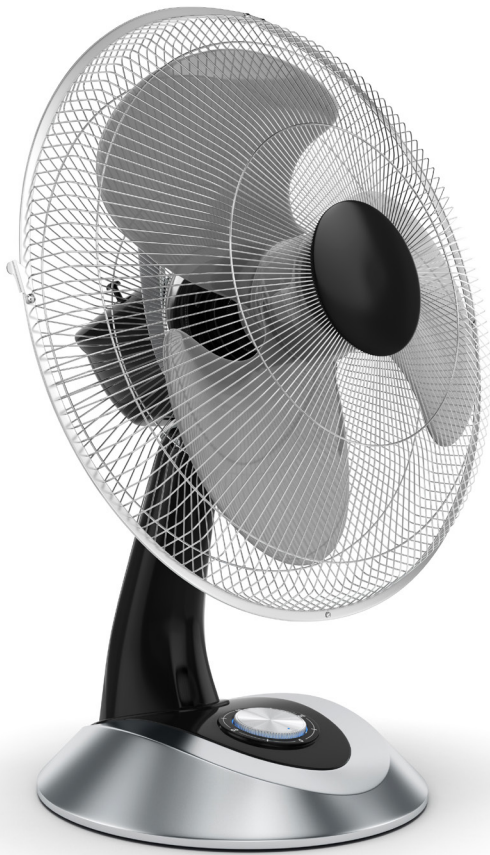


PEDESTAL FAN

Pedestal fans with BLDC motors offer a higher efficiency than AC induction motor fans. In addition, a stepper motor controls the head of the fan and thus the direction of the air flow. Melexis offers multiple devices for sensing and motor driving. A few typical examples are mentioned here.



Fan driver

MLX90412

Main fan driver

Hall latch

MLX92215

BLDC motor commutation

3D Hall sensor

MLX90393

BLDC motor position/angle

Fan head position detection

Linear Hall sensor

MLX90290

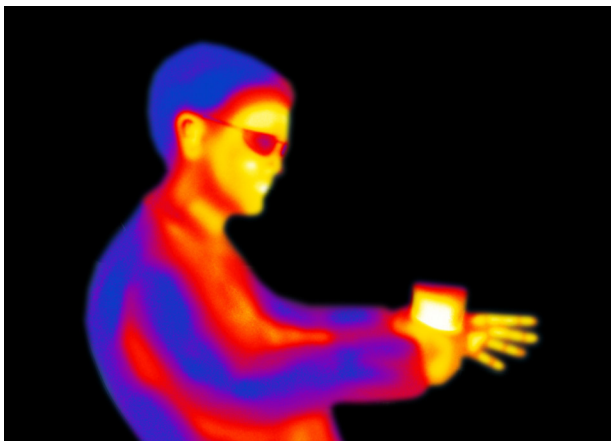
Hall resolver

MLX90380

3D Hall sensor

MLX90363

BLDC motor position/angle



FIR array

MLX90640

People detection and following
Room temperature measurement
Pre-fire detection
Intrusion alarm

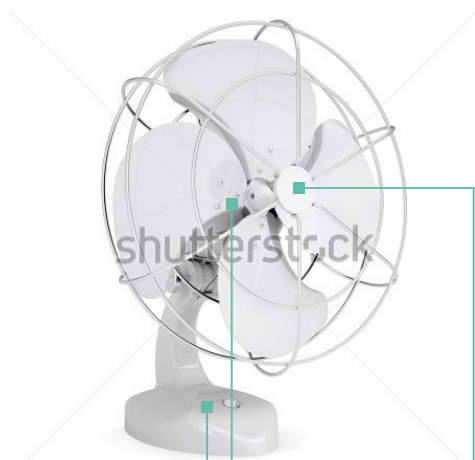
Contactless temperature sensor

MLX90632 & MLX90614

Room temperature measurement

PEDESTAL FAN

Pedestal fans with BLDC motors offer a higher efficiency than AC motor fans. In addition, a stepper motor controls the head of the fan and thus the direction of the air flow. Melexis offers multiple devices for sensing and motor driving. A few typical examples are mentioned here.



▣ **BLDC motor pre-drivers**
MLX83202 & MLX83203

BLDC Motor Drive
MLX80301
12V/24V BLDC Motor control



▣ **3D Hall sensor**
MLX90393

Hall resolver
MLX90380
Motor position, head position

▣ **FIR array**
MLX90640
People detection and following



Contactless temperature sensor
MLX90632 & MLX90614
Room temperature