



LEOPARD IMAGING INC

LI-OV9712-FF-65

Data Sheet

Features

- OmniVision 1/4" CMOS 1MP HD sensor OV9712
- Active array size: 1280 (H) x 800 (V)
- Pixel size: 3 x 3 μm
- Sensitivity: 3300 mV/(Lux*sec)
- S/N ratio: 39 dB
- Dynamic range: 69 dB
- High sensitivity for low-light operation
- Ultra low power and low cost
- Output format: RGB output
- Supports image sizes: WXGA (1280 x 800) and 640 x 400
- Automatic image control functions: automatic exposure control (AEC), automatic gain control (AGC), automatic white balance (AWB), automatic band filter (ABF), automatic black level calibration (ABLC)
- Programmable controls: frame rate, AEC/AGC 16-zone size / position / weight control, mirror, flip, cropping, and windowing
- Image quality controls: lens correction and defective pixel canceling

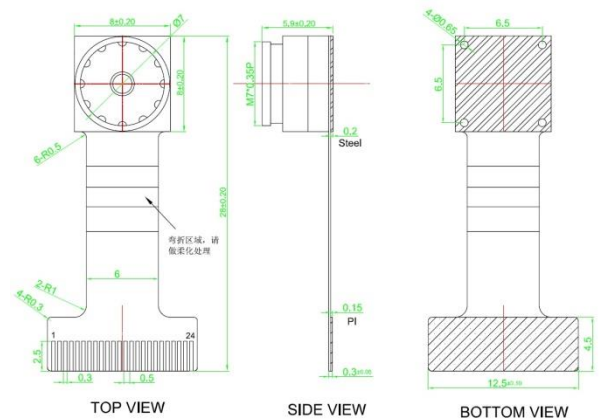
Lens Specification

- Focusing Range: 60cm to infinity
- Focal Length: 3.5mm
- F Number: 2.8
- Fov (D): 65°
- TV Distortion: <1%
- Sensor: OV9712
- Connector: FH12-24S-0.5SH
- Module Size: 6.5 x 6.5 mm



Interface

No.	Name	No.	Name	No.	Name	No.	Name
1	LED-(NC)	7	VSYNC	13	MCLK	19	Y2
2	AGND	8	PWDN	14	Y8	20	Y5
3	SDA	9	HSYNC	15	DGND	21	Y3
4	AVDD3.3V/LED+	10	DVDD 1.5V	16	Y7	22	Y4
5	SCL	11	DOVDD 1.8 V	17	PCLK	23	Y1
6	RESET	12	Y9	18	Y6	24	Y0



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com
 www.leopard-security.com

Revision History

Revision	Description	Release Date
1.0	First Release.	15. Mar. 2020
1.1	Deleted info quoted from sensor spec.	20. May. 2022



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com
www.leopard-security.com