



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

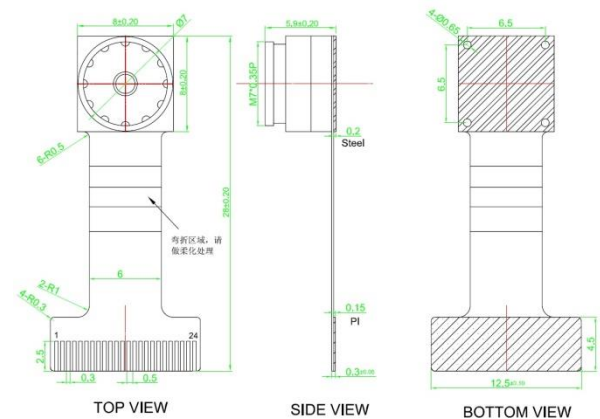
Lens Specification

- 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



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Revision History

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



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