

Key Features

- 35 Degrees Field-of-View
- SVGA OLED (Color & Monochrome)
- Lightweight, 185 Grams
- Small Form Factor
- Low Power Consumption
- Eyecups / Bumpers Available
- Graphical Overlay
 - On Screen Display
 - Android OS
 - Custom Image Processing
- Multiple Video Inputs
 - RS170, NTSC, PAL
 - Display Port/ HDMI/ DVI
 - Analog RGB, Digital RGB

eyeMod35 SVGA OLED Eye Piece

The eyeMod35 is a lightweight 35 degrees Field-of-View (FOV) eye piece that is designed for use with the SVGA OLED (color and monochrome). It consists of Optics, SVGA OLED, and a low power high performance OLED driver board. With its low weight, power consumption, FPGA based image processing and available Android Operating System the eyeMod35 is thus designed to meet and or exceed the requirements for high performance applications.

Because of its design characteristics the eyeMod35 can be easily adapted to both military and commercial applications which include but not limited to:

- Head Mounted Displays
- Night Vision Goggles
- Image Enhancers
- Virtual Binoculars
- Weapons Sites
- Multispectral Systems

The eyeMod35 supports a wide range of video input formats such as CMOS sensor, image sensors, Display Port, HDMI, DVI, Analog VGA, RS170, NTSC, and PAL, and HD-SDI. In addition, the eyeMod35 also supports simultaneous video input where data fusion, and complex video algorithms can be performed in real time.



Optical Characteristics

Field-of-View	35 Degrees
Magnification	10X
Exit pupil Diameter	7mm
Eye Relief	52mm
Resolution	20 / 40
Physical Dimensions	117mm (L) x 58mm (H) x 58mm (D)
Diopter Range	-5/ +5 stops
Weight	185 Grams
Operational Temp. Range	-45 C— +70 C
Storage Temp. Range	-55 C—+90 C
Optic Material	Glass
Chassis Material	Aluminum

Power Consumption (Depends on Configuration)

Input Voltage	3.5 – 15 V DC
Power Consumption	350mW

Input Video Format

Display Port, HDMI, DVI, Analog RGB, HD-SDI, RS170, PAL, NTSC	1280 x 1024 @ 60-120 Hz 1280 x 720 @ 60– 120 Hz 1024 x 768 @ 60– 120Hz
Image Sensors	Custom CMOS Sensors (MIPI or parallel) data bus

Auxiliary Features

Custom Image Processing & Application Development

Ordering Information

Part Number	Description
SVGA-eyeMod35 HDMI	eyeMod35 with HDMI video Input
SVGA-eyeMod35 NTSC/PAL	eyeMod35 with NTSC/PAL Input
SVGA-eyeMod35 Analog VGA	eyeMod35 with analog VGA Input
SVGA-eyeMod35 DVI	eyeMod35 with DVI video Input
SVGA-eyeMod35 Display Port	eyeMod35 with Display Port Video Input
SVGA-eyeMod35 Custom	eyeMod35 with customer sensor interface

Contact Information

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