



L: 45.1mm x 45.7mm x 20.1mm

Features & Benefits:

- Physical Shape is Modifiable for Minimal Footprint and Easy Integration
- Close Read Range (less than 1")
- Both 2D Barcode and Machine Vision Imaging
- Available as Board Only version and Housed version

Mini, Color, Fixed Mount Machine Vision Engine

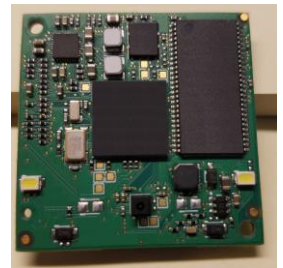
VIBE is an embedded, fixed mount, color imaging smart camera ideal for Original Equipment Manufacturer (OEM) applications. The VIBE is especially valuable in small footprint and close read-range applications. Designed as a reference platform, the VIBE is easily configured to meet specific OEM physical requirements.

VIBE is capable of both 2-dimensional barcode scanning and machine vision, performing image analysis on objects for a variety of inspection applications. VIBE can be integrated with JADAK's machine vision software, Clarity.

VIBE has various hardware configuration options, including four General Purpose Input Output (GPIO) pins. It is available as board only or a housed version (shown here). A decoded output version with a dedicated processor can be used to perform decoding tasks in applications where limiting the impact to the main host processor bandwidth is important.

Applications:

- Healthcare/Medical Devices
- Lottery
- Customer Engagement Kiosks
- Robotics
- Computer
- Portables



Board Only Version



Optical Specifications	
Sensor Type:	640x480 CMOS Area Imager (Color VGA)
Lens Angle:	64°
Frame Rate:	30 Frames Per Second
On-Board Illumination:	White LED
Ambient Light:	0-100,000 Lux
Scanning Parameters	
2D / Matrix Barcodes:	Aztec Code, Data Matrix, QR Code
Interface & Electrical	
Interface Types:	
Protocol:	RS-232, USB 2.0
Interface Cable:	
Output:	Micro USB or pico blade connector
Supply Voltage:	+5VDC +/- 10%
Current Draw:	300mA Decoded Output
Environmental	
Operating Temperature:	0 ° to 50 ° C
Relative Humidity:	95% Relative Humidity non-condensing at +50° C
Compliance:	RoHS and WEEE Compliant
Mechanical	
Mechanical Size Footprint varies based on configuration	
Footprint:	38.1mm x 38.1mm for Board-only version 45.1mm x 45.7mm x 20.1mm for Housed version

ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

www.jadaktech.com

