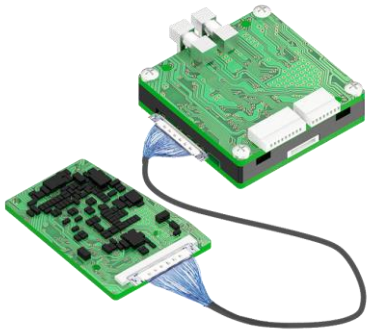
MODO-VS-1080-4K

Split-type Visible Light Imaging Module

Overview

Split-type visible light modules from 1080p to 4K (3840×2160). FPGA platform, global shutter. MIPI, CML, SDI, CameraLink options. 35×35mm board.



1920×1080 / 2560×1440 / 3840×2160	3.5 / 2.5 µm	Visible Light: 0.4–0.9 µm
RESOLUTION OPTIONS	PIXEL PITCH	SPECTRAL RANGE

Key Features

Model Selection Guide

- MODO-VS-1080-CL · 1920×1080 · CameraLink · DC 12V
- MODO-VS-1080-SD · 1920×1080 · SDI · DC 5V
- MODO-VS-1440-MP · 2560×1440 · MIPI · DC 5V
- MODO-VS-1440-CM · 2560×1440 · CML · DC 5V
- MODO-VS-2160-MP · 3840×2160 · MIPI · DC 5V

Key Features

- Global shutter — eliminates rolling shutter artifacts in dynamic scenes
- FPGA platform — deterministic latency for targeting and tracking systems
- Scalable to 4K — future-proof resolution for next-generation EO/IR systems
- DC 5V (most variants) — compatible with UAV and portable power systems

Typical Applications



Security Monitoring



Smart City



Machine Vision



Industrial Inspection

Technical Specifications

Detector & Optics

Spectral Band	Visible Light: 0.4–0.9 μm
Resolution Options	1920×1080 / 2560×1440 / 3840×2160
Pixel Size	3.5 μm (MODO-VS-1080) / 2.5 μm (MODO-VS-1440/2160)
Compatible Lenses	Fixed-focus athermalized, Continuous zoom, Motorized focus, Dual FOV

Video & Interfaces

Video Interface	CameraLink / SDI / MIPI / CML
Platform	FPGA · Global Shutter
Communication	RS232/RS422 (MODO-VS-1080) / RS422 (MODO-VS-1440/2160)

Power & Physical

Power Supply	DC 12V (MODO-VS-1080-CL) / DC 5V (others)
Dimensions	40×40 mm (MODO-VS-1080-CL) / 35×35 mm (others)

Specifications subject to change without notice.
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