

## Customized Optical Module Applications



### Overview

Chip-level camera modules offer fast time-to-market for single-use endoscopes — but custom optical systems deliver superior image quality, autofocus capability, and clinical differentiation that chip-on-tip modules cannot match. At Optopax, we push the boundaries of optical design, AI-driven camera hardware, and precision manufacturing to create cutting-edge embedded vision and imaging solutions for some of the world's most demanding applications. Whether optimizing embedded imaging for robotics, industrial automation. We manufacture individual optical and optoelectronics OEM modules for our customers. The tasks and solutions are diverse and range from classic lenses and high-performance lighting modules to innovative solutions such as optical modules for wavefront manipulation. Thin-film filter and PLC based AWG for multiplexing, a full suite of components for optical amplification use, optomechanical or MEMS-based switches for protection or surveillance application, Tap PD for power monitoring and VOA for. EOSPACE has delivered many custom integrated optical circuits and modules for commercial and DoD applications A dual 4-bit programmable time delay module with  $< 6$  dB insertion loss. Please call to discuss your

requirements, specifications, and pricing.

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These modules cater to diverse optical applications by including options like Combi-SLEDs as well as single- and multi-channel transceivers. These modules are ideal demanding applications such as ...



Resolve Optics is a leading developer of custom optical modules - design optimised to perfectly match your application.



Sunex specializes in designing and manufacturing custom optical systems, miniature lenses, and complete camera modules for medical imaging applications, including disposable (aka ...



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Custom Optical ICs & Modules EOSPACE has delivered many custom integrated optical circuits and modules for commercial and DoD applications Examples (call for custom requirements): A dual 4-bit ...



Optopax delivers end-to-end solutions across design, prototyping, and OEM manufacturing for advanced optical and imaging systems. Whether you need custom embedded AI camera modules, precision ...



The imaging modules were produced in the required quantities, each unit fully qualified and ready for immediate integration. This process shortened lead times and delivered a plug and play solution for ...



Overview Description Related applications  
Integrated circuits and reference designs help you create a smaller and faster optical module design used in high-bandwidth data communication applications.



Everything you need to build an optical network from end-to-end. Thin-film filter and PLC based AWG for multiplexing, a full suite of components for optical amplification use, optomechanical or MEMS-based ...



Based on our deep experience in optical manufacturing and laser optics, we offer a comprehensive selection of optical lenses and components for R& D and engineering. Our lineup includes precision ...

## Contact Us

For more information, pricing, or custom network solutions, please contact us:

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