Ultra-Thin

LED Cable Modules Product Brief

Ultra-Thin Medical-Grade LED Cable Modules for Single-Use Endoscopes

The OVMed® ultra-thin medical-grade LED cable modules for single-use endoscopes are complete, turnkey solutions. They include an image sensor with wafer-level optics, illumination, and cabling, and provide a cost-effective approach for medical endoscope manufacturers seeking a faster time to market.

The new modules support OCHTA, OCHFA, OCHSA and OCH2B CameraCubeChips®. They are designed for a variety of medical endoscopes such as ophthalmoscopes, nasopharyngoscopes, bronchoscopes, angioscopes, nephroscopes, ureteroscopes, choledochoscopes, spinoscopes, duodenoscopes, gastroscopes, laparoscopes, proctoscopes, cystoscopes, hysteroscopes, utero-renoscopes, colonoscopes and arthroscopes.

OVMed® cable modules provide high image quality with minimal artifacts for the transmission of captured images from the endoscope's distal tip down the endoscope shaft to the proximal end. They are optimized for small module size, thin diameter, flexibility, mechanical robustness and cost. Additionally, the cable modules provide the necessary EMC/EMI shielding in accordance with IEC 60601 requirements, allowing the cables to withstand high energy discharges during multimodal medical imaging procedures, while preventing interference with other medical devices.

CameraCubeChip®	Resolution	Cable Module Sales ID	Cable Length	Wire / Pin	Cable OD	LED	Connector
OCHTA10	400 x 400	OCHTA10-KL1E-2D2A-Z	2.5 m	6	0.49 mm	2	D type
		OCHTA10-KL1C-2D2C-Z	1.5 m	8 / 6	0.48 mm	2	D type
OCHFA10	720 x 720	OCHFA10-KL1E-2D2A-Z	2.5 m	6	0.60 mm	2	D type
OCHFA20	720 x 720	OCHFA20-KL1H-0B2A-Z	4.0 m	4	0.80 mm	no	B type
		OCHFA20-KL1H-2D2A-Z	4.0 m	6	0.80 mm	2	D type
OCHSA10	800 x 800	OCHSA10-KM1E-2K2B-Z	2.5 m	MIPI	1.20 mm	2	K type
		OCHSA10-KM1E-2F2B-Z	2.5 m	MIPI	1.20 mm	2	F type
OCH2B10	1500 x 1500	OCH2B10-KU1H-0L1A-Z	4.0 m	4	1.25 mm	no	L type
		OCH2B10-KU1H-0L2A-Z	4.0 m	5	1.25 mm	no	L type
		OCH2B10-KU1H-4M2A-Z	4.0 m	7 / 6	1.40 mm	4	M type

Version 1.0, June 2026

OMNIVISION®

4275 Burton Drive
Santa Clara, CA 95054
USA

Tel: + 1 408 567 3000
Fax: + 1 408 567 3001
www.ovt.com