

Salient Characteristics of the Surgical Ophthalmology Microscope:

The government requires a fully integrated surgical microscope with intraoperative OCT **BRAND NAME OR EQUAL** to the OPMI LUMERA 700 Floor Stand / RESCAN 700 Manufactured by Carl Zeiss Meditec. **** NOTE: All potential vendors shall have an official AUTHORIZATION LETTER from the Manufacture to distribute or re-sell their products. ****

Characteristics of Surgical Ophthalmology Microscope: 1 EA	EQUAL	NOT EQUAL
PRICE: _____		
Must feature spectral domain (SD) OCT with a scan speed of at least 27,000 A-scans per second		
A-scan depth of at least 2.0mm in tissue		
An adjustable scan length of 3-16mm		
Ability to rotate the scan axis 360°		
Ability to scan the surgical field in real-time		
Ability to project the OCT images into the eyepieces of the surgical microscope in a heads-up-display like fashion		
Ability to project into the eyepieces of the surgical microscope a “scan marker” to enable the surgeon to see exactly where the OCT is scanning		
Ability to scan the surgical field live in 1-line, 5-line and cross hair modes		
Ability to capture OCT scans of the surgical field in 1-line, 5-line and cube modes		
Must be controlled via a capacitive touch screen user interface		
Must offer the option to be controlled via the surgical microscope’s foot control panel.		
Must enable the user to move the area to be scanned by the OCT without moving the surgical microscope		
Must automatically adjust the focus of the OCT to enable tracking of a curvilinear structure		
The intraoperative OCT features an autofocus function that allows the OCT to lock on to the structure that produces the strongest OCT signal.		
The intraoperative OCT features the ability to adjust the focal point of the OCT to account for a wide angle viewing system.		
Must have ability to adjust the focal point of the OCT to account for a flat contact lens.		
Must contain apochromatic optics throughout the entire visual pathway to eliminate spherical and chromatic aberrations.		
Must have patented stereo coaxial illumination (e.g., zero-degree illumination where the light is piped directly along the visual light path) for a brilliant, high-contrast and homogenous red reflex for optimal anterior segment visualization.		
Two independently programmable 5-function handgrips from which key system functions can be accessed by the surgeon intra-operatively		

Attachment B: Salient Characteristics

A 14-function programmable footswitch which can be used tethered to the system or wirelessly, enabling hands-free access to key system functions		
Must feature motorized zoom & focus adjustment that can be controlled from the programmable handgrips or the foot control panel.		
Electronically adjustable depth-of-field that can be activated from the programmable handgrips or the foot control panel.		
Integrated beam-splitter for an assistant scope that can be rotated to enable left-side or right-side stereo co-observation without disassembling co-observer.		
Must have an optional integrated assistant's microscope with motorized zoom and focus that can be configured to be linked or adjusted independently of the main observer.		
Must have the option of a 100W halogen or 180W xenon illumination.		
Brightness of the illumination preferable to be controlled from the programmable handgrips or the foot control panel		
The microscope must have a retinal protection (blue barrier) filter.		
Optional, swing-in fluorescence filter		
Touchscreen central user must be able to interface from which all system functions		
Surgical Ophthalmology Microscope must enable the programming of at least 20 unique user profiles, each with its own set of preference parameters including initial light intensity, working distance and focus & zoom speeds		
Must feature a manual mode which ensures that a surgical procedure can be completed in the event of failure or malfunction of the motorized functions such as zoom or focus		
Enables the main surgeon to see the most important system parameters, such as working distance and light intensity without leaving his/her surgical position via an overhead display system		
Electromagnetic clutches for all system axes		
Must also feature an XY drive that enables motorized positioning of the microscope head in the XY plane		
Must have an integrated 1CCD or 3CCD 1080p HD video camera		
Must have ability to control all video functions from the central, touchscreen user interface		
Must have ability to control the video on/off from the programmable handgrips or foot control panel		
Must offer an optional integrated keratoscope to enable visualization of corneal astigmatism		
Must offer an optional dual-illumination setup that enables the connection of an external motorized slit lamp		

***The equal product shall be functionally equivalent to the brand name product.**

Brand Name or Equal CARL ZEIS MEDITEC Accessories Items (Quote must include ALL Items)

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ITEM CODE (OR EQUAL)	DESCRIPTION	QTY	ITEM PRICE	TOTAL PRICE
302681-9100	Asst Scope with Electric Zoom Lumera 700	1 EA		
302681-9026	Assistant Illumination with OC	1 EA		
304977-9055	LED Fibre Light Source	1 EA		
304977-9023	SL Eye Light Source with Hamode Filter	1 EA		
303481-9025	S Light Guide2.5M (98")	1 EA		
304970-9020	Foot Control Panel Wireless	1 EA		
304970-8760	6M Cable for Footswitch	1 EA		
303797-9140	Electrical Invertertube	2EA		
305810-9001	Asepsis Set 22MM	5EA		
303032-9002	Adapter Dovetail 11MM	1EA		
3055542-0000	Wide Field, Push-in Eye Piece 10x	4 EA		
302652-9920	LENS OC, F=200 APO	1 EA		
305810-9017	ASEPSIS Caps Handgrip Lumera 700 (X6)	1 EA		
000000-1055-278	Dust Cover Blue	1 EA		
302681-9159	INT. DATA Injection System with Shutter	1 EA		
305946-8660	Ethernet Cable 10, Green 2X RJ45	1 EA		
301640-3000-320	Callisto Eye 3.2 (OCT Only)	1 EA		
302681-9740	Integrated HD Camera	1 EA		
301640-9020	Accessories Carrier for Floor stand	1 EA		
309451-9001	Transport box for Lumera 700/RESCAN 700	1 EA		
302721-9030	Focusing Unit, Resight 700, electrical	1 EA		
302721-9100	Aspheric Lens 60D for Resight	3 EA		
302721-9080	Aspheric Lens 128D for Resight	3 EA		
302721-9060	Ster lens Holder Resight for OBJ F=200MM	3 EA		
302721-9250	Resight Metal Tray	3 EA		
302721-9040	Dovetail Mount Resight OPMI VISU/LUMERA	1 EA		

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