



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,  
JODHPUR**

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Admn/Prop/40/2021-AIIMS.JDH

Dated: 07<sup>th</sup> August 2021

**Subject: Purchase of Advanced Surgical Operating Zoom Microscope for the department of Ophthalmology at AIIMS, Jodhpur on proprietary basis-**

**Inviting comments thereon.**

The Institute is in the process to purchase Advanced Surgical Operating Zoom Microscope for the department of Ophthalmology at AIIMS, Jodhpur from M/s Carl Zeiss Meditec AG, Goechwitz Strasse 51-52, 07745 Jena, Germany on proprietary basis. The proposal submitted by M/s Carl Zeiss Meditec AG, Germany and PAC certification by user are attached.

The above documents are being uploaded for open information to submit objection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21 days of issue giving reference Admn/Prop/40/2021-AIIMS.JDH. The comments should be received by office of Deputy Director (Admin), Medical College at AIIMS, Jodhpur on or before 30<sup>th</sup> August 2021 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

**Deputy Director (Admin)**

**Enclosed: Related documents enclosed.**



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Carl Zeiss Meditec AG 07740 Jena

To,  
The Director,  
All India Institute of Medical Sciences (AIIMS),  
Basni Industrial Area Phase -2, Jodhpur - 342005  
India

Division/Dept.: Finance  
Your contact: Michael Holzner

Carl Zeiss Meditec AG

Goeschwitzer Straße 51 - 52  
07745 Jena, Germany

Fax: +49 (0) 36 41 / 220 282

Our ref.: MHZ / KSt  
Date: 21 February 2020

## PROPRIETARY CERTIFICATE FOR SURGICAL MICROSCOPE FOR OPHTHALMIC SURGERY

We, Carl Zeiss Meditec AG, hereby certify that we are the manufacturer of surgical microscopes for ophthalmic surgery.

The OPMI LUMERA 700 offers the following unique features and benefits which are not available with surgical microscopes manufactured by any other companies:

- Stereo Coaxial Illumination (SCI) for constant brilliance and brightness-every detail of the patient's eye becomes visible. Combined with the completely apochromatically corrected optics with high light transmission, the system provides unprecedented and thus optimal imaging quality for ophthalmic surgery and documentation with minimal patient stress.
- DeepView enabling the surgeon to select an optimized depth of field mode on the microscope
- Superlux® Eye xenon light source offering a whiter, higher contrast and more natural color impression of the surgical field and HaMode filter for halogen-like light. The Superlux Eye xenon light source is equipped with a quick-change mechanism for changing the bulb in the event of failure, while with its automatic bulb change, the halogen light source moves the backup lamp automatically into position. If the motorized functions fail, the surgical procedures can be completed by using special buttons or via the manual mode of the system.
- Motorized illumination components for red reflex and surrounding field of SCI, adjustable via foot control panel or handgrips.
- The integrated keratoscope option enabling visualization of corneal astigmatism

Address of Record:  
Goeschwitzer Strasse 51 - 52  
07745 Jena, Germany

Address for Delivery:  
Carl Zeiss Meditec AG  
Carl-Zeiss-Promenade 10  
07745 Jena, Germany

Banks:  
Deutsche Bank Jena  
Account: 624536900 (BLZ 820 700 00)  
IBAN: DE90 8207 0000 0624 5369 00  
BIC/ SWIFT: DEUT DE 8EXXX

Commerzbank Jena  
Account: 258072800 (BLZ 820 400 00)  
IBAN: DE31 8204 0000 0258 0728 00  
BIC/ SWIFT: COBADEFFXXX

Commercial Register:  
Local Court Jena HRB 205623

VAT-ID No.: DE 811 922 737  
WEEE-Reg.-No.: DE55298748

Chairman of the Supervisory Board:  
Dr. Michael Kaschke

Board of Management:  
Dr. Ludwin Monz (CEO)  
Justus Felix Wehmer  
Jan Willem de Cier



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- Fully integrated 3 CCD MediLive Trio Eye video camera specially designed for the requirements of ophthalmic surgery, available in Standard Definition (SD) or High Definition (HD) versions.
- If 4K is desired, the system can be upgraded to a digital microscope – see specifications for ARTEVO 800.
- Integrated HD video chain comprising of a camera monitor and video recording via USB
- Integrated assistant's microscope with independent focusing and its own motorized zoom. The magnification can be performed independently of or linked to the zoom of the main surgeon (freely configurable via software). The stereopsis corresponds to that of the main surgeon's microscope and functions without light loss for the main surgeon, with deselect able function or optional mechanical
- Motorized, seamless optical zoom.
- Motorized, swing-in retinal protection device activated by foot control panel or handgrips reduces the risk of phototoxic injury.
- The integrated beam splitter guaranteeing a constant working height, also when additional accessories are attached. e.g. stereo coobservation tube.
- Large fine focusing range of 70 mm
- keratoscope, slit illuminator and USB video recording are integrated into the system.
- Integration-perfect integration of RESIGHT fundus viewing system, Invertertube E and integrated video camera. The integration of these accessories and the associated partial automation of the required settings on the microscope facilitate the workflow in the OR considerably.
- Wireless 14-function foot control panel with freely configurable keys (optionally with cable available)

Optimized workflow and maximum ease of use-thanks to the wireless foot control panel and the assistance functions of CALLISTO eye (option) such as Z ALIGN for toric 10Ls, K TRACK, Incisions/LRI and microscope settings directly in the eyes with IDIS.

Simple to operate-reading of microscope settings or overhead display and fast focusing for switching readily between two different planes.

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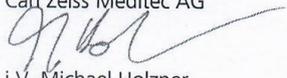


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The integration of these accessories and the associated partial automation of the required settings on the microscope facilitate the workflow in the OR considerably.

Carl Zeiss Meditec AG

  
i.V. Michael Holzner  
Head of Finance & Accounting

  
i. V. Katja Dornheim  
Assistant  
Distribution Partners EMEA & LATAM

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## TECHNICAL SPECIFICATIONS FOR ADVANCED SURGICAL OPERATING ZOOM MICROSCOPE FOR OPHTHALMOLOGY

### Main Microscope :

- Apochromatic optics with anti-reflex multi coating
- Motorized zoom system with zoom ratio 1:6 V magnification factors : 0.4x-2.4x
- Focusing range 70 mm
- Speed control for zoom and focus
- Tilttable binocular tube f= 170 mm with integrated automatic image inverter in VR/ Cataract surgery, interpupillary distance adjustable from 55mm to 75mm
- Pair of high eyepoint widefield eye pieces 12.5xwith diopter setting from -8D to +5D,
- Apochromatic objective f= 200 mm
- Total magnifications: 4.3x to 25.5x with eyepiece 12.5x and objective lens f=200mm with carrier ring.
- Field of view: 8.6 mm to 51.8 mm with eyepiece 12.5x and objective lens f=200mm
- Deep View depth of field management system
- Integrated Slit illumination; Slit width 0.2, 2.0, 3.0, 4.0mm & Slit height 12mm.
- Beam splitter should be integrated in the microscope body for additional future upgrade (Stereo co observation attachment/ documentation)
- HD camera should be integrated in the microscope body without any external attachment C mount & cables. Camera controls unit should be integrated in the stand.

### Built-in assistant's Microscope :

- Independent assistant scope with contentious Zoom magnification changer & Separate fine focusing system
- Inclinal Binocular tube with Automatic integrated image inverter for Cataract & VR surgery.
- SCI (Stereo coaxial illumination) for both main surgeons. & Assistant microscope for constant brilliance and brightness, red reflex illumination and surrounding field illumination both are adjustable.
- Pair of high eye point wide field eye pieces 12.5x with diopter setting from -8D to +5D,
- Provision of red reflex for assistant with equal brightness

### XY Coupling

- Range of adjustment 60 mm x 60 mm. Control of automatic reset of XY movements.
- Provision of inversion of XY direction of travel via foot control, Speed control for XY.

### Illumination

- Fiber light guide, LED illumination system . Fiber cable should be internally rooted (External not acceptable)
- Integrated 408 nm UV filter for protection against infrared exposure
- Wireless programmable 14 function foot control panel.
- Blue Blocking Filter, Provision of retina protection device
- Provision of system of magnetic clutches for all locks for positioning of microscope across surgical field

### Floor Stand

- Magnetic clutches for effortless movement and positioning
- Built in maneuvering programmable handles
- Lamp intensity adjustment, on/off via foot control panel
- Progressive speed adjustments
- Storage facility of magnification, motor speed, configuration of foot control panel, lamp brightness and focal plane for at least 9 different users
- Facility for nonsterile release of suspension arm

### Accessories for VR Surgery:

- Wide angle fundus viewing system with foot controlled electrical vario focus unit in VR surgery without moving microscope body.
- lenses 60D & 128D mounted on system & ready to use any time during surgery ( no changeover required during surgery) .
- Safety range 110mm.
- Rotation of aspheric lens holder 0 -360 Deg.

*K. Bhatnagar*  
*POW* *POW* *POW*