



सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR-Indian Institute of Chemical Technology
आई. एस. ओ. 9001 संगठन (विश्लेषणात्मक परिसेवा हेतु) / ISO 9001 Organization (for Analytical Services)
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद) / (Council of Scientific and Industrial Research)
तारनाका, उप्पल रोड, हैदराबाद. तेलंगाना राज्य, भारत. 500 007.
Tarnaka, Uppal Road, Hyderabad. Telangana State, India. 500 007



PURCHASE ORDER

No: PUR/IICT/648/24-25/EQPT/2042

Date: 25-11-2024

To
M/s. DSS IMAGETECH PVT LTD
A-5, Mohan Co-operative Indl Estate
New Delhi-110044
Ph: 011-26950325/+91 9845294187, 903817754
Email: pasha@dssimage.com, prantik.saha@dssimage.com

Sub:-Supply Installation and Commissioning of "Laser Scanning Confocal Microscope"- reg.

Ref: - 1. Our Tender Enquiry No. PUR/IICT/0648/RE/24-25/EQPT DT.14.08.2024 and CPPP tender enquiry No.2024_CSIR_204966_1 Dt.14.08.2024.

2. Your bid reference No: DSS/BNG/RMP/2024-2025/1092 dt.08.09.2024

Dear Sirs,

Kindly supply the following item(s) strictly as per the terms and conditions.

Sl. No	DESCRIPTION OF MATERIAL	Quantity	Price in (₹)	Total Amount in (₹)
1.	Supply Installation and Commissioning of Laser Scanning Confocal Microscope Make:Olympus Evident Fluoview FV4000 (Detailed Specifications and other items and accessories as per Annexure enclosed)	1 No	1,45,82,000.00	1,45,82,000.00
Add GST @18%				26,24,760.00
FOR CSIR-IICT, Hyderabad				1,72,06,760.00

TERMS & CONDITIONS:

1. **Prices:** FOR CSIR-IICT Inclusive of all taxes, duties etc., Hyderabad. Unloading the consignment at our site is your cost.

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2. **Order Acknowledgement:** Kindly send order acknowledgement within 15 days through Email: cosp@iict.res.in and csiriict@csiriict.in mention PO No. in the subject line. If you notice any discrepancy/typographical error etc. in this order, you must immediately request for its amendment/correction. Further along with duly signed and stamped copy of this P.O. as token of acceptance of terms and conditions of this P.O. You are also required to sign a contract agreement in pursuance of this Purchase Order in the prescribed format on a Non-Judicial Stamp paper of Rs 200/-**(contract form attached)**
3. **Taxes and Levies: Price includes GST@18% also**
4. **Delivery Period :** The ordered material should be supplied within the delivery period of 12-14 weeks from the date of receipt of the Purchase Order.
5. **PAYMENT TERMS:100%Local Letter of Credit with payment terms.**
I) 80% through RTGS /NEFT or online mode against supply in complete quantity of ordered items in good condition as per ordered specifications and terms, subject to its joint inspection in the presence of suppliers service engineers/ representative and its confirmations and acceptance by CSIR ICT user.
II) Balance 20% through RTGS /NEFT or online mode after successful completion of installation and commission and final acceptance of End User, our Bankers State Bank of India, IICT Branch, Hyderabad, successful Installation, subject to submission of prescribed PBG.
6. **Warranty:** Warranty should be furnished for **36 months** from the date of successful installation and commissioning of the equipment and subject to final acceptance of the same by the CSIR-IICT user. If CSIR IICT wants to enter into CAMC/AMC in future after warranty period the amount for AMC charges shall not exceed CAMC/AMC Charges indicated in quotation (if any) and the same will not be paid in advance and the same shall be paid on bill basis only.
7. **Performance Bank Guarantee: 5% PBG valid till 60 days** beyond the date of final installation and commissioning to be submitted within 21 days from the date of the Purchase Order, failing which order may be cancelled at the discretion of CSIR IICT.
8. **INSTALLATION, COMMISSIONING AND DEMONSTRATION:** A qualified and factory-trained service engineer should commission the supplied equipment free of cost within *one* month from the date of receipt of the ordered goods and onsite application training to be provided for 2 persons 3 working days at CSIR IICT., Telangana, India.
9. **LD clause:** Timely supply is the essence of stipulation in the delivery period of

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our purchase order, for our requirements have got a direct bearing with time targeted research work. By any measure, if there is any delay in delivery of the ordered material(s), a sum equivalent to **0.5 (point five)** per cent of contract value for each week of delay or part thereof until actual delivery will be deducted from the contract value as liquidated damages, subject to the maximum deduction of **10 (ten) per cent** of P.O. Value. CSIR IICT is also at liberty to consider the termination of the contract of the items is not delivered within the delivery period without assigning any reason thereof.

10. **CSIR-IICT-GST No: 36AAATC2716R2ZF**
PAN No. AAATC2716R **TAN No. HYDI00674C**
11. **Availability of spares and service engineer support shall be conformed for a period of 10 years as part of after sales and service support on applicable charges after warranty period.**
12. The dispute settlement mechanism/arbitration proceedings shall be Concluded as under:
 - a) If any dispute or difference arises between the parties hereto as to the construction, interpretation, effect and implication of any provision of this agreement including the rights or liabilities or any claim or demand of any party against other or in regard to any other matter under these presents but excluding any matters, decisions or determination of which is expressly provided for in this Agreement, such disputes or differences shall be referred to **Delhi International Arbitration Centre (DIAC), New Delhi**. A reference to the Arbitration under this Clause shall be deemed to be submission within the meaning of the Arbitration and Conciliation Act, 1996 and the rules framed thereunder for the time being in force. Each party shall bear and pay its own cost of the arbitration proceedings unless the Arbitrators otherwise decides in the Award.
 - b) In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

The venue of the arbitration shall be the place from where the purchase order or contract is issued. (for further information please

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refer to our Tender Document)

13. **Jurisdiction** - All disputes related to this tender shall be subject to the local court of competent jurisdiction at **HYDERABAD, Telangana, India** only.

14. The terms and conditions and tender specifications and clarification there off as contained in the tender document shall form part of this purchase order .However, Incase of any discrepancy between this P.O. and Tender terms this purchase order (P.O.) shall prevail.
Bill of entry to be submitted at the time of delivery of goods in case of foreign Origin.

Yours faithfully,
For & on behalf of CSIR,

(Dharmendra Kumar)
Controller of Stores & Purchase

Note: Kindly, mention our purchase order reference number for all your future correspondence so as to enable us to avoid any delay while tracking/clearing the material(s).

Budget Head: P-50 for Rs.1,72,06,760/- (Rupees One Crore Seventy Two lakhs Six Thousand Seven Hundred and Sixty only)

1. Indentor's copy: **Dr.Srigiridhar kotamraju (Applied Biologyh)** 2. Accounts copy; 3. Office copy; 4. Guard File copy 5. Spare copy;



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NO.PUR/IICT/0648/RE/24-25/EQPT/2042

DT.25.11.2024

ANNEXURE

Basic Desc.	CODE	ECCODE	Description	Qty	Price in INR
MOTORIZED INVERTED FLUORESCENCE RESEARCH MICROSCOPE					
Olympus IX83 Double Deck Fully Motorized Microscope with 10nm Z step. Smart Touch Panel Controller					
Inv Motorized Frame, 10nm Z step size, Left side Port. Motorized Nose piece. Smart Touch Panel Controller.	N6398900	IX83P2ZF	<u>IX83 Inverted 2 deck frame with ZDC port. Touch-panel controller JR6436.</u> Double deck Motorized Frame with Motorized sextuple revolving nosepiece (DIC slider attachable), simple waterproof structure, Stroke: 10.5mm, Minimum increment: step size of 0.01µm , Maximum nosepiece, Movement speed: 3mm/s, Motorized 0:100/50:50/100:0 (Left side port: BI port). SMART Touch Panel Controller Switch observation methods with a tap of the touch panel. A press of a touch panel is all it takes to change observation settings, with automatic controls enabling switching of optical components, aperture adjustment and exposure. <u>Catch tray under the nosepiece to prevent leakage of spilled liquids.</u> AC adapter DP152500, allen wrench AB7734, hexagonal driver AD8458 (2pcs), transparent sheet for front panel JA8053 (2pcs), and indication sticker for U-MCZ JA9973 are included.	1	
Frame fixing plate	N4234100	IX3-FP	IX3-FP. Frame fixing plate for IX83P2ZF/P1ZF. For 25mm, 50mm, 1inch, and 2inches pitch. Foot spacer AD9177 (4pcs) is included.	1	
Stand Alone/ Remote control unit	N5205500	U-MCZ	Stand alone control unit with push type buttons for all Motorized controls, Course & fine Z focusing knobs. The combination of the U-MCZ and XY controller make it possible to provide the familiarity of conventional handle operation for confident working Even in a dark room.	1	
cable	N5727300	U-IFCBL200	Interface cable for CAN communication, 2000mm Length Corresponded to RoHS and WEEE regulations	1	
Universal Control unit	N4233900	IX3-CBH	IX3-CBH. Control box for IX83P2ZF/P1ZF and motorized components. cable band AC9258 is included.	1	
Laser interlock	N5211000	FV30-ILSW	Laser interlock switch for IX83 stand.	1	
Dust Cover	6423800	COVER-001	DUST COVER NO.001. SHEET TYPE (1000MM X 1000MM)	1	
Tilting Observation Tube & Eyepieces					

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Tilting Observation tube	N5728600	U-TBI90	Tiltable Binocular observation tube, F.N.22, Interpupillary width adjustment range: 50 to 76 mm • Tube tilting angle: 35° to 85° continuously variable • Eye point height (From the center of 45° mount tube to eyepoint):159mm(35°)to224mm(85°)	1	
Eyepiece	N5728700	WHN10X	Widefieldeyepiece10X	1	
Eyepiece	N5728800	WHN10X-H	Widefieldeyepiece10X,focusable	1	
LED Transmitted Light illumination					
Transmitted illuminator Pillar	N5727500	IX3-ILL	Front operation of pillar for condenser movement. Tilttable transmitted pillar tilt mechanism (30°inclination angle, with vibration reducing mechanism), Condenser holder (with with 88mm stroke, refocusing mechanism), Field iris diaphragm adjustable, 4filter holders Light source: •12V 100W halogen/ LED option.	1	
Filter	N5728100	45FR	Frost Freefilter	1	
Filter	N5728200	45-LBD-IF	Day light filter	1	
LED transmitted light	N5727600	IX3-LHLEDC	IX3-LHLEDCtransmittedLEDlightsoucewith housing. Good color rendering similar to Halogen color.	1	
Laser safetyfilter pocket	N4274800	FV12-IXCOV	The transmission filter pocketof IX83 must be covered byFV12-IXCOV for laser safety. Not only MPE but also SPEsystem must be equipped with FV12-IXCOV.	1	
Lasersafetyswitch	N5663300	FV31-ILLSW	LasersafetyswitchforIX3-ILLusingwithFV3000.	1	
Seven Position Motorized Condenser with DIC optics					
7 position Motorized Universal Condenser	N5205200	IX3- LWUCDA	IX3-LWUCDA Motorized LWDcondense, N.A 0.55,7 position optical elements(3x30mm, 4x38mm). Mot Turret rotation, Mot aperture stop open/close, polarizer in/outcan be controlled throughtouch panel or software.Allen wrench AW2848(2pcs) andindication plate JA7707 are included.	1	
Cable	N4248100	U-IFCBL100	U-IFCBF100100cmCANCableforIX83system.This cableis suitable for connection toIX3-LWUCDA on IX83P2ZF/P1ZF.	1	
DICslider	5650800	U-DICTS	DICprismsliderfortransmittedlight,withshift mechanismforBFP1objective	1	
DICblock	N4245300	IX3-FDICT	IX3-FDICTPolarizedfilterblockfortransmittedDIC. It can be attached onfluorescence turret for IX3 series.	1	
DIC10X	N1506800	IX2-DIC10	DICprisminsertfor10Xobjectives	1	

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DIC20X	N1506900	IX2-DIC20	DICprisminsertfor20Xobjectives	1	
DIC40X	N1506600	IX2-DIC40	DICprisminsertfor40Xobjectives	1	
DIC60X	N1506400	IX2-DIC60	DICprisminsertfor60Xobjectives	1	
DIC100X	N1506300	IX2-DIC100	DICPRISMFOR100XOBJECTIVES	1	
XLine-PLANAPOOBJECTIVES.(extendedrangechromaticcorrectionfrom400to1000nm)					
XApo4X	N5701800	UPLXAPO4 X	UNIVERSAL PLAN EXTENDED APOCHROMATIC OBJECTIVE LENS 4X/0.16. W.D13mm.	1	
XApo10X/0.40	N5701900	UPLXAPO1 0X	U Plan X extended Apo 10X objective 10X/ 0.40 , WD.3.1, extended range chromatic correction from 400 to1000nm	1	
LW20X	N1492700	LUCPLFLN 20X	LongworkingdistancePlanSemiApochromat objective20X, NA0.45 ,WD6.6-7.8(c.c.0-2)	1	
XApo40X/0.95	N5702100	UPLXAPO4 0X	U Plan X Extended Apo 40X objective,40X/ 0.95 , WD 0.18,Cc 0.11-0.23, extended range chromatic correctionfrom400to1000nm	1	
XApo60X,oil/1.42	N5702300	UPLXAPO6 0XO	UPlanXExtendedApoObjective60X/ 1.42 ,WD0.15 (spring, oil) , extended range chromatic correction from 400 to 1000nm	1	
XApo100X,oil/1.45	N5702400	UPLXAPO1 00XO	UPlanXExtendedApoObjective100X/ 1.45 ,WD 0.13 (spring, oil) , extended range chromatic correction from 400 to 1000nm	1	
immoil	N6405700	IMMOIL- F30CC	Immersionoil30cc.Lowlevelauto-fluorescence.	2	
MotorizedFluorescenceEightPositionTurret					
EightPositionFlu turret	N6434500	FV30- RFACA	Motorized EIGHT position fluorescent mirror turret for IX83 microscope.	1	
Cable	N2750100	U-IFCBL15	InterfacecableforCANcommunication,150mm length	1	
Cable	N4248100	U- IFCBL100	U-IFCBF100100cmCANCableforIX83system.	1	
EPI-LEDFluorescenceilluminator					
LEDFluorescence illuminator	A1000000 9133	pE-300-LT- L-SB-30-P	LED ILLUMINATION SYSTEM- MULTI BAND. FOR USEWITH 3MM LIQUID LIGHT GUIDE.SB FILTER CONFIGURATION.INCLUDES LIGHT SOURCE,CONTROL POD, POWER SUPPLYAND POWERCABLEPLUG	1	
LightGuide	A1000000 9143	PE-1906-P	LIQUIDLIGHTGUIDE(1.5MLONG)3MM DIAMETER	1	
SharpCutoff,NarrowBandPassFluorescenceDAPI,GFP/FITC,TRITC/RFP/CY3					

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DAPIfilter	N2712100	U-FUNA	Mirror Unit for fluorescence microscopy, narrow band UV excitation with bandpass barrier, exciter filter BP360-370, dichroic beamsplitter DM410, barrier filter BA420-460, including plastic case AR1924	1
GFP/FITCfilter	N2712800	U-FBNA	Mirror unit for fluorescence microscopy, narrow band Blue excitation (with bandpass barrier), with exciter filter BP470-495, dichroic beamsplitter DM505 and barrier filter BA510-550, including plastic case AR1924	1
TRITC/RFP/CY3 filter	N2713100	U-FGNA	Mirror unit for fluorescence microscopy, narrow band Green excitation (with bandpass barrier), with exciter filter BP540-550, dichroic beamsplitter DM570 and barrier filter BA575-625, including plastic case AR1924CorrespondedtoRoHSregulation	1

MarzhauserXYMotorizedStage-SCANIM120x80/TANGO2/IX83

Mot XY Stage forIX3 microscope	XXX	00-24-578-0000	SCAN IM 120x80 - 2 mm ,Motorized scanning stagefor inverted microscope range of travel 120 x 80 mm, 2 mm lead screw pitchflat, ergonomic design with rounded corners, stationary connecting cables between controller and scanning stage, incl. stage insert for 1 slide 3" x 1" p/n 00-29-411-8010 with adaptation for OlympusIX53/73/83Rev.01	1
Tango2DTController	XXX	00-76-150-1802	TANGO 2 DT Controller, Desktop version for two (2) stepper motors, 1,25 A,includes USB- and RS-232 interface with data cables,power supply cable and user-friendlysoftwaretool"SwitchBoar	1
Joystick	XXX	00-76-200-0820	2-Axes-Joystick for TANGO Controllers, sensitive, manual positioning 4 freely programmable function keys control panel : membrane keyboard incl. cable to connecttoTANGOcontroller.	1
Cable	XXX	00-76-202-0808	Motorcable2m,1.+2.axis	1
Universalstageinsert	XXX	00-29-411-8150	Stage insert IM universal for samples with Ø 20 to 74 mm diameter and standard slides , 75 x 26 mm as well as76x52mmSize:160x110x8mm	1
Multiwellplateinsert	XXX	00-29-411-8020	StageinsertIMformultiwellplatesSize:160x110x8mm	1

TokaiHitStagetopCO2Incubator,adaptersforMultiwellPlate,Pertidishes,Chamberslide& Glassslide,Chamberedcoverglass.Withlensheaterforoilobjectives.

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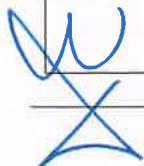


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Stage TopIncubator for control Temp., Hum., and CO2. Objective Heaterfor oil objectives to maintain temprature.	XXX	STXG-WSKMX-E	Time-Lapse Model for provididing optimal sample temperature, humidity and CO2 environment for live cell imaging - Controller: With built-in gas mixer for 100% CO2 gas cylinder use and mixes 100%CO2 gas with sorrounding air automatically and supplies the gas (5.0- 20.0% CO2 cencentration) to the Chamber - Multi-wellplateandsmallvesselsuse - 35mm&50mm/60mm included - Top Heater Heating Method is applied for temperature distribution - InternalHumidifier forhumiditymorethan90% - Chamber has 3 access ports for perfusion/media exchange IN and OUT, for drug administration and for temperature sensor - Continuous Current Control for preventing Z drift caused by heating regulation at minimum - IncludingObjectiveHeater.	1
Dishattachment	XXXX	STX-CSG	DishAttachmentandFixingLidforslideglass, chamberslideandchamberedcoverglassuse	1

Galvo ScannerwithSilverCoatedMirrors,inbuiltLaserPowerMonitor.				
Includes2HighsensitiveDetectors,CooledSiPM,(BroadbandSilVIR2CHsDetector)				
EvidentSilVIRdetectorhasverylownoise&higherphotonetectionefficiencythantraditionalGaAsP-PMTdetectors.				
<u>2CH BSD Detetors &Galvo Scanner with inbuilt Laser Power Monitor.</u>	N6429700	FV40-SU-P	<u>Package of a galvo scanning unit, a power supply and a 2ch broadband spectral detector unit by silicon photomultiplier with spectral sensitivity upto400-900nm, sensitivity 55% PDE, 2nm linear Spectral resolution. The extremely low noise SilVIR detector has high dynamic range low dark current.The continuously variable band pass filters allows to seamless adjustment of spectral bandwidth from either side of wavelengths with patented transmission diffraction gratings with highest tranmission efficiency.The systems includes secondary dichroic mirror turret.</u> The galvo scanner includes XY galvanometer scanner set. All scanners equipped with silver-coated mirror. IR coating optic support laser wavelength 400-1600nm. Corresponded to WEEE and RoHS regulations. Scanning Resolution: 64 x 64 to 4096 x 4096 pixels, Scanning Speed : 16fps , Optical Zoom: 0.90X - 50X in 0.01X increments , Scan Rotation: Free rotation (360 degree) in steps of 0.1 degree , Scanning Mode: PT, XT, XZ, XY, XZT, XYT, XYZ, XYZ, XYZT, XYAT, XYAZ, XYAZT , ROI Scanning, rectangle clip, ellipse,polygon, free area, line, free line and point, to rnamode only for stimulation. Single motorized pinhole, pinhole diameter \varnothing 50 - 800 μ m (1 μ m Steps) , F.N.20mm.Laser power monitor:inbuilt.	1





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Stand for above& scanning	N5212300	FV30-STIMP	Stand for scanning unit used in combination of SU/HSUandIX83.	1	
Transmitted Light Detector					
Transmitted Detector	N6425400	FV40-LETD	Transmitted detector unit for FV4000 used with IX3-LHLEDC. Integrated with transmitted light photomultiplier detector & LED lamp, motorizedswitching.	1	
LaserCombinerwithSOLIDSTATELaserswithAOTFControl(Uppgradableto3moreViible&3NIRLasers)					
Laserslines:405nm,488nm,561nm&640nm.					
Laser Combiner & LD Lasers 405, 488, 561&640	N5662700	FV31-MCOMB-P	Main laser combiner including AOTF system, andLD lasers (VBYR)and these beam combining optics. Ultra fast intensity modulation with individual laser lines, additional shutter controller continuously variable (0.1% - 100% with 0.1% increments), Visible LD Lasers 405nm 50mW,488nm 20mW, 561nm 20mW&640nm 40mW.Automated ND Laser Range Selector 2 full ranges of laser power with automated ND filter selector (0.01-10%, and 1%-100%).Additional shutter controller continuously variable 0.1% - 100% with 0.1% increments. Single motorized pin hole. <u>The system isupgradable onsite upto 10 Laser from 405 to 785 nm</u> covering the entire visible to NIR Range with high Power lasers.	1	
Power supply unit	N5662300	OBIS6LRE MOTE	6linepowersupplyunitforOBISLDlasersincluding Laser safety key.	1	
PCI interface board	N6425800	FV40-PCIB	PCI-e interface board for data transfer in confocal laser scanning microscope. Corresponded to WEEE and RoHS regulations.	1	
1394acable	N2715600	DP21-DKT	1394aconnectioncablebetweendesktopPCand DP21-CUorDP26-CU.	1	
Software for System Control, Imaging & Analysis:					
Flour view Advanced Acquisition &Analysis Software.					



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FV Main Advance control, capture, Analysis software	N6429300	FV40S-SWPAD	Advance Package software for FV4000. This software include <u>FV40S-SW main software, motorized stage control license, well navigator license and sequence manager license</u> including License certificate sheet. for Multidimensional image acquisition, Visualization, Advanced 3D Image Reconstruction, FRET & FRAP acquisition, Multi point, stitching, Well navigator. With advanced 3D rendering from Z stack Flexible Ratio metric photo activation, photo manipulation acquisition, features like configuration of microscope, LASER power, Scanning Module, System self-test with calibration, automatic setting of system according to selection of different dyes, Acquisition of spot, line, frame, Z-Stack, wavelength stack, time series, and all combination of X,Y&Z with time, Ratio, averaging & Summing, selection of scan area, real ROI scan, online ratio imaging, Localized Bleach, ROI Bleach, FRAP using of different LASER lines for different ROI, Changing of Excitation lines during acquisition of multi fluorescence, sequential acquisition of image stacks with spectral information, spectral un mixing capability, presentation of captured image in XY, Orthogonal, 3D section, 2.5D for time & line scan. Real time ratio analysis, Real time Intensity profile of multi dimensional images.	1
Analysis Software	N6440500	CS-DI-DT-V4.3-EL	Cell Sens Dimension DT- Analysis Software 2D Deconvolution, 3D restoration / volume rendering / voxel view & slice view, overlay multiple images, co-localization analysis, batch conversion / processing, contrast base auto focus, Dynamic ROI for on line analysis, document groups for side by side image comparison, movie playback, Tile image, slice view for orthogonal plane viewing of 3D or time lapse data sets, snap / movie acquisition, time lapse at specific intervals, Z stack, Manual Multiple image alignment (MIA), Image analysis, Count and Measure (Phases/regions), automatically compose word report.	1
FRET&FRAP, Ratio Analysis	N6420400	CS-S-LSA-VF-EL	Life Science Analysis (FRET/FRAP), Ratio Analysis	1
True Sight 3D Deconvolution Module	N6420000	CS-S-DE-VF-EL	With dedicated deconvolution algorithm 3D, 4D Rendering Software, 3D Imaging, reconstruction and Deconvolution Option for Dimension. The constrained iterative deconvolution function improves there solution, contrast, and dynamic ranges of Bright field , confocal, Spinning Disk Confocal images obtained by the system.	1
DVD	N6439300	CS-DVD-V4.3	cellSens DVD V4.2 including Installation DVD Disc and Install Manual	1
Advance Main PC/WorkStation with NVIDIA RTX A4500-20GB, 34" 4K Monitor etc				

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Workstation	XXX	HPZ4G5	HP Z4G5,OS Windows11 Pro Workstation, <u>CPU Intel ®, Xenon® W-2423 Processor</u> (4GHz, 6 core, 15MB Cache, 4400MHz mem speed), <u>RAM 96GBDDR4 SDRAM</u> (2933MHz, ECC Registered), Storage <u>1st</u> (Boot drive) <u>SSD 1TB</u> , <u>2nd (for huge data) HDD6TB</u> , <u>3rd storage (for RS data) SSD 2TB</u> , GPU : <u>NVIDIARTXA450020GB</u> .	1	
34"Monitor4K.	XXX	Monitor34"	34"HDLED4KMonitor	1	
Fire wire PCI Express card	XXX	Fire wire PCIExpress card	StarTech 3 Port, 1394 PCI Express Firewire Card, IEEE 1394. (Part No. PEX1394B3)	1	
RS232Card	XXX	PCI Express RS232	Startech2PortnativePCIexpressRS232serialadapter cardwith16550UARTPXX2S553	1	
PowerCable	XXXX	ITE00044	Power cord	6	
Offline Analysis Software					
Offline Software	N6440500	CS-DI-DT-V4.3-EL	Cell Sens Dimension DT- Analysis Software2D Deconvolution,3D restoration / volume rendering / voxel view & slice view, overlay multiple images,co-localization analysis, batch conversion / processing, contrast base auto focus, Dynamic ROI for on line analysis, document groups for side by side image comparison, movie playback, Tile image, slice view for orthogonal plane viewing of 3D or time lapse data sets, snap /movie acquisition, time lapse at specific intervals, Z stack, Manual Multiple image alignment (MIA),Image analysis,Count and Measure (Phases/regions), automatically compose word report.	1	
OFF Line:PC/WorkStation, Monitor					
OFFLINE Workstation for OFF Line Analysis	XXX	HPG4G5	HP Z4G5,OS Windows 11 Pro Workstation, CPU Intel ®, Xenon® Bronze 3204 Processor (1.0GHz, 6 core, 8.25MB, 2133MHz), <u>RAM 32GB DDR4 SDRAM</u> (2933MHz,ECCRegistered,8GBx2),Storage 1st (Boot drive) <u>SSD 512GB</u> , 2nd f(For huge data) <u>HDD2TB</u> , GPU : <u>NVIDIA T1000 8GB</u> .	1	
34"Monitor4K.	XXX	Monitor34"	34"HDLED4KMonitor	1	
Active Antivibration Table with Air compressor forConfocal.					
Antivibration Table with air compressor	XXX	LTO-FP-90-90	Optical table Top,Size TT 900mm x 900mm, Thick ness 150mm,Vibration Isolated support for table top (inter-connecting legs),Air Compressor for active Vibration table.	1	

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PC Desk, Rack					
Desk	XXX	Desk/PC Table	1000mmx800mm,woodentable.	1	
Self/Rack	XXX	(shelf/rack)	L600mmxD900mmx1500mmHt,metallrackwith 4adjustableshef.	1	

Handwritten signature and date: 25.11.14

COSP

