

Detailed system configuration

Line no	Item Code	Item Description	Qty
1	OLE/BX63F	Upright Motorized microscope frame for reflected and transmitted light observations. Coarse and fine focus with objective up and down mechanism using intuitive touch panel controller, focus stroke 20 mm, resolution 0.01 μ m, maximum speed 5mm/sec. Status indicator panel on the right wing of the microscope frame with LED display of light intensity, observation method and status of reflected light illuminator. Power supply is integrated in external control unit BX3-CBH. Eco mode function switches off light source in case the microscope is not in use for user defined time (1-30 min). Transmitted light illuminator with Koehler illumination, motorised field stop and field number 22. Requires BX3-ARM for transmitted configuration or BX3-URA, BX3-RFAA, BX3-RFAS for fluorescence configuration. Including touch-panel controller, allen wrench, pillars for mounting BX3-SSU motorized stage, attachment for pillars, screws and connecting cable to U-CBH.	1
2	OLE/U-TR30	Trinocular tube with 30° inclination and pupillary distance adjustment from 50 to 76 mm. Adjustable diopter range (\pm 5 diopter) on left sleeve. To be used with WHN10x/22, WHN10xH/22 eyepieces. Beamsplitter for 3 positions (100/0, 20/80, 0/100).	1
3	OLE/WHN10X-H	Focusable widefield eyepiece with fieldnumber 22.	1
4	OLE/WHN10X	Widefield eyepiece with fieldnumber 22.	1
5	OLE/BX3-STAD	Adapter to mount manual stages on BX63F microscope frames. Compatible with U-SVLB-4, U-SVRB-4, U-SVLO-4, U-SVRO-4, U-SRG2, U-SRP and U-SP manual stages. Including holder for 35 mm petri dishes.	1
6	OLE/BX3-UCD8A	Motorised universal condenser with achromatic / aplanatic correction for BX63F, BX53F and BX43F frames. 8-position turret for optical inserts (3x 19.5 mm diameter and 5x 30 mm diameter) integrated. Numerical aperture of 0.9 with dry top lens and 1.4 with oil top lens. Working distance of 1.5 mm when used without immersion and 0.6 when used with immersion oil. Motorised top lens swing-in and swing-out mechanism as well as polarizer in/out functionality. Motorized aperture stop opening and closing. Condenser feature shuttering mechanism to enhance S/N ratio during fluorescence observations. Requires top lens U-TLD or U-TLO for oil immersion and U-CBM controller for the use with BX43F and BX53F frames. Optional low magnification lens available (U-CO1.25X) for improving the illumination homogeneity in low magnification observations from 1.25X to 4X. Including indication plate, stage clamping screw, condenser clamping screw, condenser centering screw, allen wrench and allen wrench for fixing DIC prism.	1
7	OLE/U-TLD	Dry top lens, NA 0.9	1

8	OLE/U-LHLEDC	True colour LED light source for BX43F, BX46F and BX63F microscope frames. LED features unique colour rendering index (>96) in transmission observations similar like halogen light source. Intensity comparable 30W halogen light source. Expected lifetime of 20,000h. Power supply integrated in BX43F and BX46F microscope frames. In combination with BX63F the power supply is integrated in U-CBH control box. Including connection cable.	1
9	OLE/BX3-RFAA	Motorized reflected light illuminator for fluorescence observations. 8-position cube turret with shutter function and easy exchange of filter cubes without tools. Aperture stop and centrable field stop. Unique illumination system with fly-eye lens for maximal homogeneity in fluorescence observations. Maximum switching speed of cube turret 0.5s to neighbouring position. Compatible with BX43F, BX53F, BX63F microscope frames and BX3 filter cubes. Field number 22. Requires U-IFCBL200 and U-CBM in combination with BX43F and BX53F microscope frames. In combination with BX63F microscope frame U-IFCBL15 is required. Including UV protection shield, allen wrench, and connection cable.	1
10	OLE/U-FUW	Single-band Fluorescence cube for BX3 and IX3 cube turrets. Wide UV excitation and Longpass emission filter. Exciter filter: 340-390 nm, beam splitter: 410 nm, barrier filter: 420 nm. Compatible with BX3-URA, BX3-RFAS and BX3-RFAA.	1
11	CHR/49302	Spectrum Aqua filter	1
12	CHR/49303	Green#1 FISH Filter	1
13	CHR/49305	Orange#1 FISH	1
14	CHR/49306	Filter for FISH - Red	1
15	CHR/59011	Green/Orange #1 FISH Filter set for Olympus BX61	1
16	CHR/69013v2	DAPI/Green/Orange #1 FISH	1
17	CHR/91038	Olympus BX3 Filter cube	6
18	OLE/XC-LED-365-XYLIS	White light LED fluorescence excitation for IX3, BX3, CKX53, MVX10, SZX2, SZX7 microscopes. Intense output and broad band excitations similar to arc lamp, bandwidth 360 – 770 nm with peaks at wavelength 365nm, 430nm , 475nm, 545nm , 650nm und 735nm. Compatible with the narrow 365 nm DAPI filter sets. UV mode allows to switch UV LED off when it is not required to protect sensitive specimen and to extend light guide life time. Fast LED response time LEDs of 100?ns TTL / 1ms USB, light intensity adjustment in 1% steps. Guaranteed LED life time 25,000 h. System can be operated manually with speedDIAL remote, TTL or Olympus cellSens software. Integrated wide range power supply (100-240Volts AC, 50-60Hz). Coupling to microscope via liquid light guide, max. active light guide diameter: 3mm. Requires light guide and a microscope specific collimator for operation. Including SpeedDIAL remote, Power cord EU, USB cable, Quick start guide and Allen key.	1
19	OLE/XCite-LLG-1.5m	Liquid lightguide of 1.5 meter length for X-Cite 120 lightsources.	1
20	OLE/XCite-Adaptor-BX2	X-Cite 120 collimating adaptor for BX2.	1
21	OLE/U-MCZ	Operational control device for BX63F and IX83 microscope frames. Unit can be attached to the microscope front (BX63F), to MCXY controllers of motorized stages BX3-SSU-1-2 and IX3-SSU or freely arranged in the workspace for convenient operation and flexible system setup. Adjustment knobs for motorised focus, objective and reflected illumination cube switching are installed on both sides to facilitate the operation by left- and right handed users. Coarse stroke 1 mm/rotation, fine stroke 100 µm/rotation, graduation on fine focus 1 µm. Control of observation method (BF, FL, DIC and PH), reflected light shutter (on/off) and intensity of transmitted and reflected light (via U-AW-2-3) on front side. In combination with DP21/DP22 camera or cellSens software two additional knobs on front side feature live image display and still image capture. Requires BX3-CBH for BX63F or IX3-CBH for IX83 microscope frames and U-IFCBL200 connection cable.	1

22	OLE/BX3-CBH	Control box for BX63F microscope frames. Controls motorized focus, motorized field stop and transmitted illumination intensity. Compatible with U-TPC touch panel controller, UD7REA revolving nosepieces, BX3-RFAA reflected light illuminators, BX3-UDC8A universal condenser, up to 2 U-AW attenuator wheels and BX3-SSU motorised stage. In combination with DP21 camera the microscope settings are automatically transferred to the image file. Communication with PC via FireWire/IEEE1394 connection. Integrated power supplies for U-LHLED and U-LH100L-3 lamphouses. Wide area power supply 100-240VAC/50-60Hz. Including large and small cord clamp and binding bands	1
23	OLE/U-RMT	Cable for connecting the 100 W Halogen lamp house U-LH100-3 or IX-HLSH100 with TH-4 transformer or the BX- or IX2-UCB control-boxes for PC control of the lamp. Length 1.7 m.	1
24	OLE/U-IFCBL15	Interfacing cable for CAN communication between a motorized unit of the BX3 series and the BX63 microscope frame or U-CBM control box. Length: 170mm. Compatible with BX3- UCD8A, BX3-RFAA and U-AW.	1
25	OLE/U-IFCBL50	Interfacing cable for CAN communication between a motorized unit of the BX3 series and the BX63 microscope frame or U-CBM control box. Length: 440mm. Compatible with BX3- UCD8A, U-D7REA, BX3-RFAA and U-AW.	1
26	OLE/U-IFCBL200	Interfacing cable for CAN communication between a motorized unit of the BX3 series and the BX63 microscope frame or U-CBM control box. Length: 2000 mm. Compatible with BX3- UCD8A, U-D7REA, BX3-RFAA, U-AW and U-MCZ.	1
27	OLE/C-FireWire-Cable-3.0m	C-FireWire cable 3.0m for mot. BX/IX microscopes	1
28	OLE/UYP	Power Cord	5
29	OLE/U-D7REA	Motorised 7 position revolving nosepiece for brightfield objectives. Compatible with BX43F, BX53F and BX63F microscope frames. Slot for DIC slider (U-DIC#) or plate adapter (UTAD). Requires U-IFCBL200 and U-CBM in combination with BX43F and BX53F microscope frames. In combination with BX63F microscope frame U-IFCBL50 is required.	1
30	OLE/UPLFLN4X	Universal Plan Fluorite objective with 4x magnification. With working distance of 17 mm, and numerical aperture of 0.13. Suitable for any cover slip thickness.	1
31	OLE/UPLFLN10X	Universal Plan Fluorite objective with 10x magnification. With working distance of 10 mm und numerical aperture of 0.3. Suitable for any cover slip thickness.	1
32	OLE/UPLFLN20X	Universal Plan Fluorite objective with 20x magnification. With working distance of 2.1 mm, numerical aperture of 0.5 and cover correction of 0.17 mm.	1
33	OLE/UPLFLN40X	Universal Plan Fluorite objective with 40x magnification. With working distance of 0.51 mm, numerical aperture of 0.75 and cover correction of 0.17 mm.	1
34	OLE/UPLFLN60X	Universal Plan Fluorite objective with 60x magnification. With working distance of 0.2 mm, numerical aperture of 0.9 and variable cover correction from 0.11 to 0.23 mm via correction collar.	1
35	OLE/UPLFLN100XO	Universal Plan Fluorite oil immersion objective with 100x magnification. With working distance of 0.2 mm, numerical aperture of 1.3 and cover correction of 0.17 mm.	1
36	OLE/U-TV0.5XC	Camera adapter with C-mount, 0.5x magnification gives full field number (FN) 22 on 2/3" CCD camera chips. With high IR transmission.	1

37	ASI/CPQBNS15-S	CytoPower System • Scan & Analysis System - 5MP Mono Camera – includes Computer and 9 slide Motorized Stage GenASIs software V8 inclusive of the following licenses: • Case Data Manager™ software license for data management, viewing, and archiving inclusive of network connectivity of network connectivity of multiple systems • BandView™ Software License for chromosome analysis and karyotyping inclusive of image acquisition module • FISHView Acquisition & Analysis License For Scanning • SpotScan Software license for scanning and image acquisition inclusive of FISH review and analysis for all sample types both cell suspension and tissue • MetScan Software license for scanning and detection of metaphases, including automated image acquisition of metaphases	1
38	FPSCN0029	Scan & Analysis System 5MP MONO Camera and High-End PC and 24" monitor with Motorized 9 slide Stage	1
39	FPRSF0105	Case Data Manager™ software license for data management, viewing, and archiving inclusive of network connectivity of network connectivity of multiple systems	1
40	FPRSF0118	MetScan Software license for scanning and detection of metaphases, including automated image acquisition of metaphases	1
41	FPRSF0154	Aided Karyotyping Scanning & Analysis software license, for automatic chromosome segmentation and classification	1
42	FPRSF0109	BandView™ Software License for chromosome analysis and karyotyping inclusive of image acquisition module	1
43	FPRSF0117	SpotScan Software license for scanning and image acquisition inclusive of FISH review and analysis for all sample types both cell suspension and tissue	1
44	FPRAC0108	Integration Kit for Olympus BX63 Scan with BF	1
45	FPRSF0136	LabLife software license for measurement, management and reporting of the lab performance statistics	1
46	CPQBNA001-2D	GenASIs High Throughput Tray Loader™ Package	1
47	FPRAC0128	99-slide Tray Loader Olympus BX63 with Oil Dispenser - 2D	1
48	FPRAC0155	Barcode Printer Zebra 621t	1
49	LBL000003	Labels for Barcode Printer	1
50	HWDSP0086	Resin Ribbon 110mm * 100m	1
51	FPRSP0058	Calibrated Insert for 9-Slide Stage	1
52	ASI/CPQBNS15-R	CytoPower System • Review & Analysis System with Computer GenASIs software V8 inclusive of the following licenses: • Case Data Manager™ software license for data management, viewing, and archiving inclusive of network connectivity of network connectivity of multiple systems • LabLife software license for measurement, management and reporting of the lab performance statistics • BandView™ Software License for chromosome analysis and karyotyping • FISHView™ Software License for fluorescent karyotyping, image enhancement and documentation • SpotScan Software license for FISH review and analysis for all sample types both cell suspension and tissue FISH • MetScan Gallery Software License for the review and selection of acquired metaphases	4
53	FPREV0012	Review & Analysis System with High-End PC and 24" monitor	4
54	FPRSF0105	Case Data Manager™ software license for data management, viewing, and archiving inclusive of network connectivity of network connectivity of multiple systems	4
55	FPRSF0155	Aided Karyotyping Analysis software license, for automatic chromosome segmentation and classification	4
56	FPRSF0110	BandView™ Software License for chromosome analysis and karyotyping	4
57	FPRSF0119	MetScan Gallery Software License for the review and selection of acquired metaphases	4

58	FPRSF0108	FISHView™ Software License for fluorescent karyotyping, image enhancement and documentation	4
59	FPRSF0114	SpotScan Software license for FISH review and analysis for all sample types both cell suspension and tissue FISH	4
60	ASI/CPQBNS09-R	HiBand System • Review & Analysis Platform - w/o PC GenASIs V8 software inclusive of the following licenses: • Case Data Manager™ Software License for Data Management, Viewing and Archiving • GenLink™ Software License for network connectivity of multiple systems in a network • BandView™ Software License for Chromosome Analysis and Karyotyping	4
61	FPREV0012	Review & Analysis System with HighEnd PC and 24" monitor	4
62	FPRSF0105	Case Data Manager™ software license for data management, viewing, and archiving inclusive of network connectivity of network connectivity of multiple systems	4
63	FPRSF0155	Aided Karyotyping Analysis software license, for automatic chromosome segmentation and classification	4
64	FPRSF0110	BandView™ Software License for chromosome analysis and karyotyping	4
65	FPRSF0119	MetScan Gallery Software License for the review and selection of acquired metaphases	4
66	ASI/CPQBNS002	IT Package Includes: • GenDatabase™ Software License for GenASIs Database • GenLIS™ Software License for Data Connectivity with Laboratory Information System	1
67	FPRSF0104	GenDatabase™ Software License for GenASIs Database	1
68	FPRSF0103	GenLIS™ Software License for Data Connectivity with Laboratory Information System	1
69	FPRSF0028	GenASIs License File	1
70	FPRSV0032	Professional IT Services for Server and Network Administration (Server and Networking Hardware not supplied by ASI) Installation of GenASIs software on Server (remotely) configuration and testing	1
71	WIR/NS	2TB external Hard drive, as per request	1
72	WIR/NS	Dell PowerEdge T360 Server Intel Xeon E-2414 2.6G, 4C/4T, 8M Cache, Turbo, HT 55W Single, Hot-Plug, Power Supply, 700W MM HLAC ONLY FOR 200-240Vac Titanium, Non Redundant 1+0 32 GB - 2Rx8 DDR5 480GB SSD SATA Mixed Use 6Gbps 512e 2.5in qty x2 4TB Hard Drive SATA 6Gbps 7.2K 512n 3.5in HotQty x4 Windows Server 2025,Standard, ROK 16 CORE License 5-pack of Windows Server 2025/2022 User CALs Microsoft SQL Server 2022 standard Microsoft SQL Server 2022 - 1 User CAL Qty x10	1
74	WIR/NS	Venus 3400XS UPS System	1
75	ASI/FPRSV0069	Installation & Training	1
76	WIR/Service Cont	Service Contract consisting of: 5 year preventative maintenance and callouts. Includes: Travel and labour, BX63 spare parts, Camera spare parts, Scanning station spare parts, Tray loader spare parts, Oil dispenser spare parts, Preventative maintenance consumables	1
77	WIR/Service Cont	Service Contract consisting of: Consumables for ASI system, including: Immersion oil, Barcode labels, Barcode resin ribbon	1