Nikon

Stereoscopic Microscope SMZ745/745T

Nikon's stereoscopic microscope with 7.5x zoom and 115 mm working distance — a superior model in this category

7.5x zoom: extremely high zoom range

The SMZ745/745T boasts a 7.5x zoom that incorporates the Greenough optical system. The zoom range of 0.67x to 5x provides a broad observation range.



Superior 115 mm working distance

As well as high zoom ratio and magnification, the SMZ745/745T offers a long 115 mm working distance.



Trinocular optical head is ideal for monitoring and digital imaging (SMZ745T only)

The SMZ745T incorporates an optical path switching lever that enables easy switchover between eyepiece and camera. Nikon Digital Sight series camera can be attached.


Optical path switching lever


With Digital Sight series camera for microscopes

Three “A” design

The airtight, anti-mold, anti-electrostatic design makes the SMZ745 suitable for use in a range of working environments.
* The SMZ745T has an anti-mold, anti-electrostatic design.




SMZ745

SMZ745T

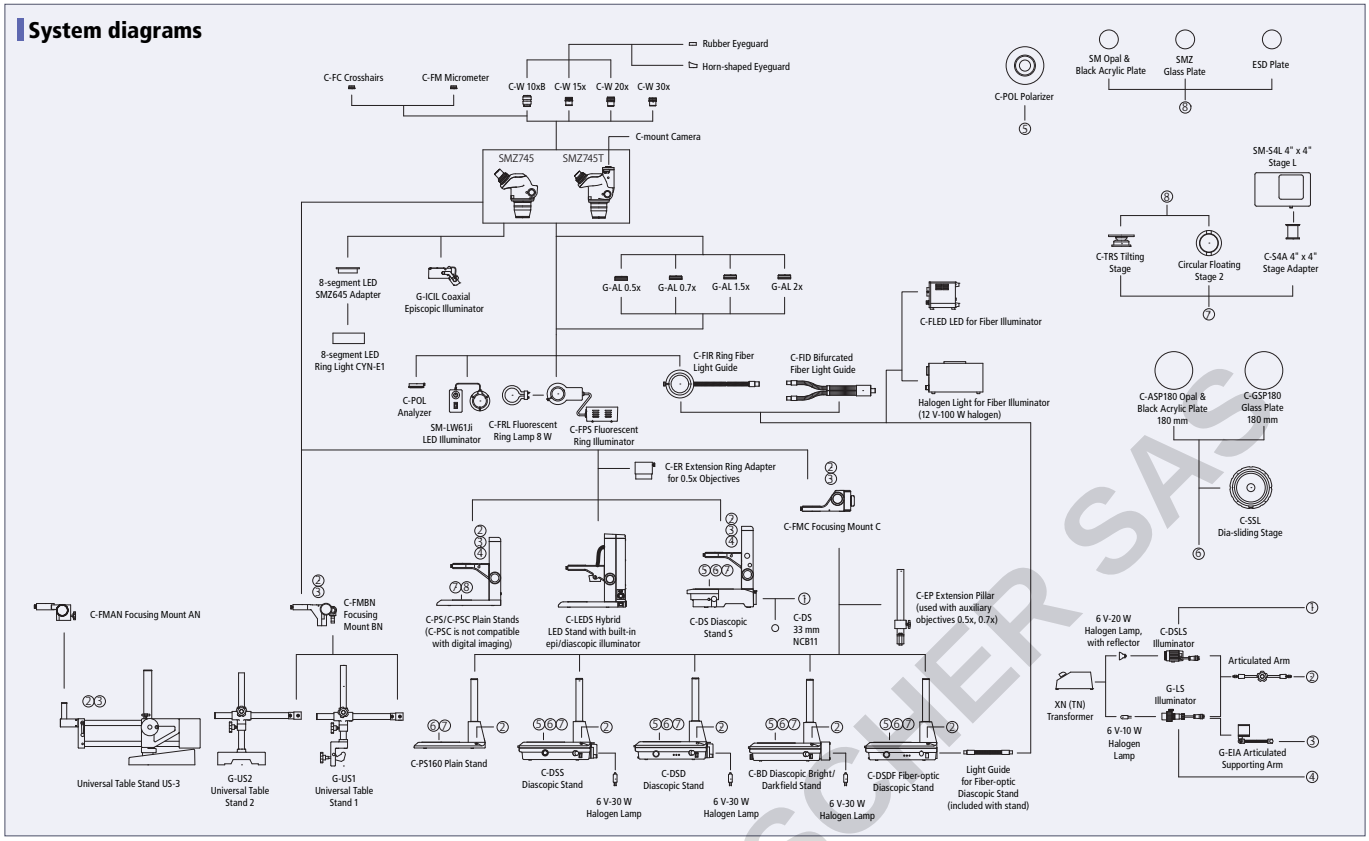
Specifications

Optical system	Greenough optical system
Total magnification	3.35-300x (depending on eyepiece and auxiliary objective used)
Vertical tube	Built-in C-mount 0.55x magnification lens (F.N. 11), compatible with 2/3 in. or smaller CCD
Eyepiece tube	Fixed type
Eyepiece inclination	45 °
Interpupillary distance adjustment	52-75 mm
Eyepieces (with diopter adjustment)	C-W 10xB (F.N. 22), C-W 15x (F.N. 16), C-W 20x (F.N. 12.5), C-W 30x (F.N. 7)
Zoom range	0.67-5x
Zoom ratio	7.5 : 1
Auxiliary objectives	G-AL 0.5x (W.D. 211 mm), G-AL 0.7x (W.D. 150 mm), G-AL 1.5x (W.D. 61 mm), G-AL 2x (W.D. 43.5 mm)
Working distance	115 mm (standard)
Weight	1.55 kg (SMZ745), 1.8 kg (SMZ745T)

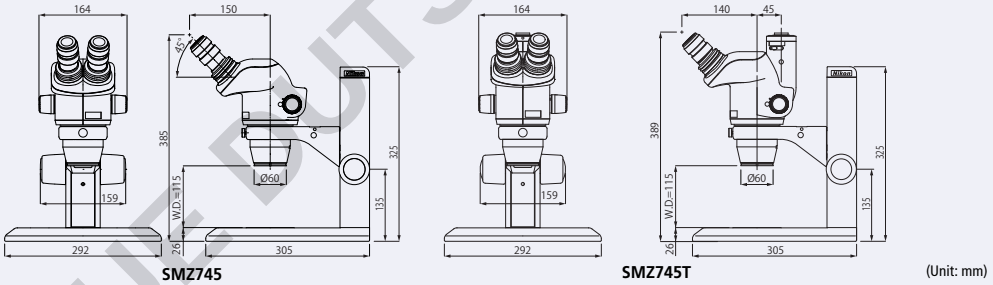
F.N.: Field Number

DOMINIQUE DUTSCHER SAS

System diagrams



Dimensional diagrams



SMZ745 SMZ745T (Unit: mm)

WARNING TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2011 ©2011 NIKON CORPORATION

N.B. Export of the products* in this catalog is controlled under the Japanese Foreign Exchange and Foreign Trade Law. Appropriate export procedure shall be required in case of export from Japan.
*Products: Hardware and its technical information (including software)
* Monitor images are simulated.

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