

FF 450^{plus} Fundus Camera

Details are its strong point



Technical Data

Field angle	50°	30°	20°
Observation magnification	11x	19x	29x
Image scale on 35-mm film	1,9	2,9	4,3
Frame format on 35-mm film	26 mm diameter, height limited to 24 mm		
Visual observation	special 10x eyepiece with reticle, monocular		
Working distance			
Front lens to patient's eye	42 mm		
Observer's eye to patient's eye	470 mm		
Compensation for ametropia	+/- 30 D, continuous		
Flash rate	1x per second (irrespective of flash level)		
Flash levels	25		
Flash energy	360 Ws		
Filters (motorized control)	green (RF), blue, red filters, FLUO filter, ICG filter (only usable in the IR version), optional accessory: fundus autofluorescence filter set		
Special features	telecentric optics, electronic interface for VISUPAC digital image archiving systems, transmission of field angle, OD/OS, flash levels		
Panning and tilting ranges	+/-45° horizontally, +15°/-10° vertically using a hand wheel		
Instrument table	asymmetric, motorized, suitable for patients in wheelchairs, separate cable routing available for electronic sensors		
Dimensions/weights		<i>L x W x H in mm</i>	<i>L x W x H in inch</i>
FF 450 ^{plus} basic system	430 x 310 x 800; 21,5 kg	16.9 x 12.2 x 31.5; 47.4 lb	
NAG 450 ^{plus} power supply unit	440 x 360 x 132; 11 kg	17.3 x 14.2 x 5.2; 24,3 lb	
IT3F instrument table	880 x 665 x max. 1020; 33 kg	34.7 x 26.2 x max.40.2; 72.8 lb	
Camera control panel	225 x 150 x 45; 1,2 kg	8.9 x 5.9 x 1.8; 2.6 lb	
Capture modes	color photography, red-free photography, red and blue pictures, fundus autofluorescence pictures (with optional filter set only), fluorescein angiography, ICG angiography, pictures of the anterior segment		
Further information			
video attachment featuring 3 opto-mechanical output ports and swing-in filter; use of 4 different camera sensors; separate viewfinder camera with swing-in IR-cut filter; eyepiece usable at all times; BOOST mode at 50° for FA, ICGA and fundus autofluorescence; improved light yield reduces light exposure of the patient; pre-selectable capture settings for each capture mode and sensor; all settings effective at the press of a button.			

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