

Non-mydriatic Fundus Camera



Hans Heiss



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5555 NW 74 Ave. Miami, FL 33166. United States
Phone: 305-882-0120
sales@mercoframes.net
www.mercoframes.com

Hans Heiss HFC-005 Retinal Camera Non mydriatic



Hans Heiss HFC-006 Retinal Camera Non mydriatic + FFA



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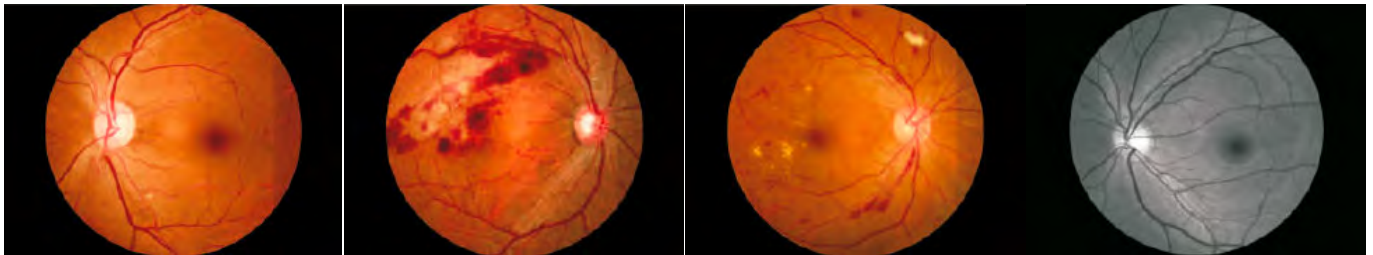


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Advantages of Non-mydratiac Fundus Camera

- Reduce the pain and inconvenience of patient
- Save time for patients and doctors, dilating need about 20 minutes
- Won't affect patients' activity which improving their compliance
- Non-mydratiac image with reliable quality

High quality image



Normal retinal image

Branch retinal vein occlusion

Diabetes phase II

Red-free

45° full-circle design

New optical design guarantee 45° fullcircle image and avoid losing fundus information

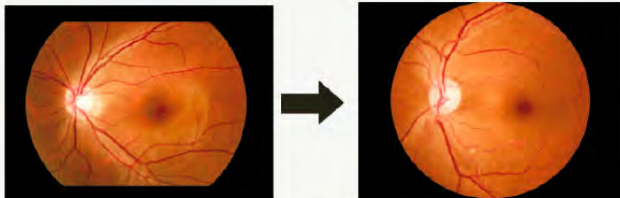
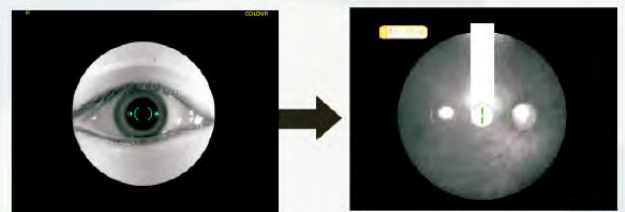


image cut

45° full-circle fundus image

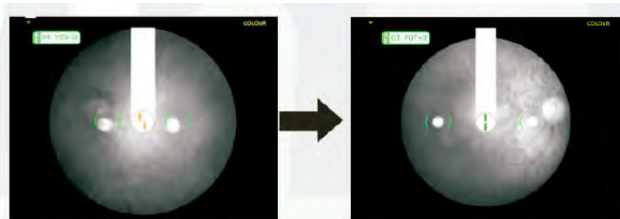
Exposure intensity automatic controlled

The system identify patients' retinal status and control exposure intensity automatically which realize the best exposure condition. It assures to get perfect image every time.



Switching anterior-posterior para-position

Using additional compensation mode of fundus para-position. cleverly solve the problem of para-position blind area from the ocular surface to fundus, which make the fundus para-position becomes easier

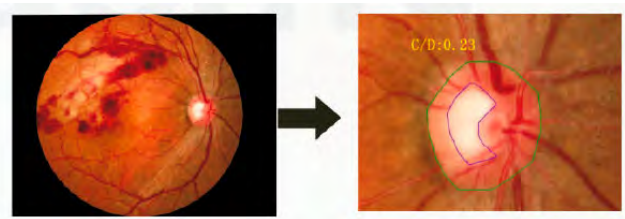


split-line unaligned

split-line aligned

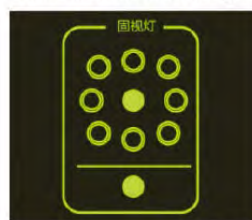
Exposure intensity automatic controlled

Using split-line aligning focus method which indicates focus status more objectively compared to the traditional one which can avoid turbid eye medium holding back the image focus. Even under the black background such as FFA, Split-line aligning system still helpful for clear images capturing.



Cup/Disc measurement

9 internal fixation target



Seamless mosaic automatically



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Specifications



Specifications	HFC-005	HFC-006
Optical lens	Aspherics system	Aspherics system
Test mode	Non-mydriatric fundus	Non-mydriatric and FFA
Fundus Obsevation	Switching Optical anterior-posterior compensation lens	Moved platform
Red-Free	YES	NO
Focu	Split-line aligning focusing	
Digital Camera	CANON EOS Technology	
Color Image Resolution	5184*3456	
Monochrome Image resolution	/	1360*1024
Min. Pupil Size	3.3mm	
Compensation range	de -25D a +30D	
Fundus observation para-position indication	Dots overlap	
Fixation target	External eye fixation lamp & 9 internal fixation target (LED dot matrix-Fully controlled by software)	
Maximum angle of view	53°	
Optical head tilting	/	Horizontal ± 30° Vertical ± 12.5°
Working distance	40mm ± 2mm	
Software	Support Dicom 3.0, support hospital HIS/PACS system. Image processing, easily operate, strong analysis, support fundus Mosaic, image post processing, measurement, patient profile management	

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