

Advantages

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- **Fundus camera using a user's smartphone**
 - Networking applications available with smartphones
 - Can use upgraded features of smartphones such as signal processing and display by mobile replacements or periodical OS updates
 - Almost all kinds of Android phones can be used.
- **Capable of recording high-quality retina images and videos**
 - High resolution retina image and video recording available using CMOS 13Mpixels image sensor
- **Convenient examination of retina**
 - The wide field of view makes retinal examination convenient.
- **Competitive price**
 - Fundus camera can be supplied at a competitive price since it uses a user's smartphone.



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Comparison

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Company	WikiOptics nun+(WFC-01)	Zeiss Meditec (Germany) VISUSCOUT 100	Remido (India) FOP NM-10	MIIS(Taiwan) Horus scope(DEC 200)	Welch Allyn(USA) RetinaVue 100 imager	Optomed (Finland) Aurora
Device image						
Field of View	>45°(Hor.)x40°(Ver.)	40°	40°	45°	45°	50°(Hor.)x40°(Ver.)
Focus	Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Image sensor	CMOS 13M	CMOS 5M	Smartphone 8M	CMOS 5M	-	CMOS 5M
Image resolution	Image : 4208x3120 Video : 1280x960	-	Iphone 6S, 6S+, 7	Image : 2560x1920 Video : 1280x960	2048x1536	2368x1776 (Total 4.2M, effective area3.38M)
Battery	3.6V 3500mAh	3.7v 1950mAh	7.4V 1500mAh	3.7V 2500mAh	3.6V 3350mAh	3.63v 2600mAh
Display	Android Smartphone	3.97" 800x480	Iphone 6S, 6S+, 7	3.5"	3.5"	4.1" 800x480
Network	Smartphone	USB, WiFi	Smartphone	USB, WiFi	USB, WiFi	WLAN
Weight	0.69kg (with smartphone)	0.8kg	1.5kg	0.45kg	0.565kg	0.8kg
End user price	* Smartphone not provided.	15,133USD	7,000USD	4,500-5,000USD	4,995-5,745USD	7,950Euro

