

DSC200& DSC300 Comparison

2020



Horus 3rd platform – DSC 300 & DSC 300P

More Features, More Reliable

- ✓ Better CPU and sensor performance
- ✓ 3.5" capacitive touch panel
- ✓ Multi-touch (Zoom in/ out)
- ✓ Video display on device
- ✓ Wi-Fi / Bluetooth module embedded
- ✓ HDMI Full HD live stream
- ✓ USB plug with lock
- ✓ Magnetic pogo touch charger

- ✓ DSC 300P – Focus wheel
- ✓ DSC 300 – Auto-focus and Auto-capture



DSC 300 Specification Comparison

Items		DSC 300	DSC 200	DSC 100
CPU		DM388	DM368	DM368
Sensor		5M (4:3)	5M (4:3)	2M (16:9)
Focus type		Focus wheel	Step motor	Focus wheel
LCD Monitor		3.5" Capacitive touch panel ; Multi-touch	3.5" Resistive touch panel ; Single-touch	3.5" Full color TFT-LCD panel
Microphone		○	-	-
Speaker		○	-	-
File storage		Micro SD Card (2~32G)	SD Card (2~32G)	Micro SD Card (2~32G)
Interface	Wi-Fi	Embedded	Wi-Fi SD card	Wi-Fi SD card
	Micro HDMI (1920 x 1080)	○	-	-
	Magnetic charger	○	-	-
	Mini USB	○	○	○
	AV output (640 x 480)	-	○	○
Function	Auto-focus	○	○	-
	Auto-capture (DEC 200 only)	○	○	-
	Quality check	○	-	-
Lens	DEC 200	○	○	DEC 100 (40°) / EEC 100 (25°)
	DEA 200	○	○	DEA 100 with ILS 100
	DGC 200	○	○	DGC 100
Picture resolution		2560 x 1920	2560 x 1920	1920 x 1080
Video resolution		2560 x 1920	1280 x 960 ; DEC 200: 640 x 480	1920 x 1080
UVC resolution		640 x 480	640 x 480	640 x 480

Horus 3rd platform – DSC 300 & DSC 300P

Items		DSC 300P	DSC 300
CPU		DM388	
Sensor		5M pixels, 4:3 (AR0521)	
LCD Monitor		3.5" Capacitive touch panel ; Multi-touch	
Microphone		○	
Speaker		○	
File storage		Micro SD Card (2~32G)	
Picture resolution		2560 x 1920	
Video resolution		2560 x 1920	
UVC resolution		640x480	
Interface	Wi-Fi	Embedded	
	Bluetooth	Embedded	
	Micro HDMI (1920*1080)	○	
	Magnetic charger	○	
	Mini USB : File transferring, charging	○	
	AV output (640*480)	-	
Function	Focus type	Focus wheel : Manual focus only	Step motor : Auto and manual focus
	Auto Exposure	○ (Endo)	-
	Auto White Balance	○ (Endo)	-
	Image Quality Check	-	○ (DEC 200)
Lens		ENT, Dermatology and Ophthalmology DOC 300S / DOC 100S DDC 200 / DDC 100 DEC 100/ DEA 200P/ DEA 100 DGC 100 Adapter 300	Ophthalmology DEC 200 DEA 200 DGC 200

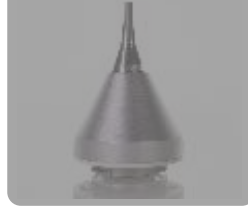
DSC 300P & DSC 300 Lenses

DSC 300P

DOC 300S



DOC 100S



DDC 200



DDC 100



DGC 100



Adapter 300



DEC 100/EEC 100



DEA 100



DEA 200P



DSC 300

DEC 200



DEA 200

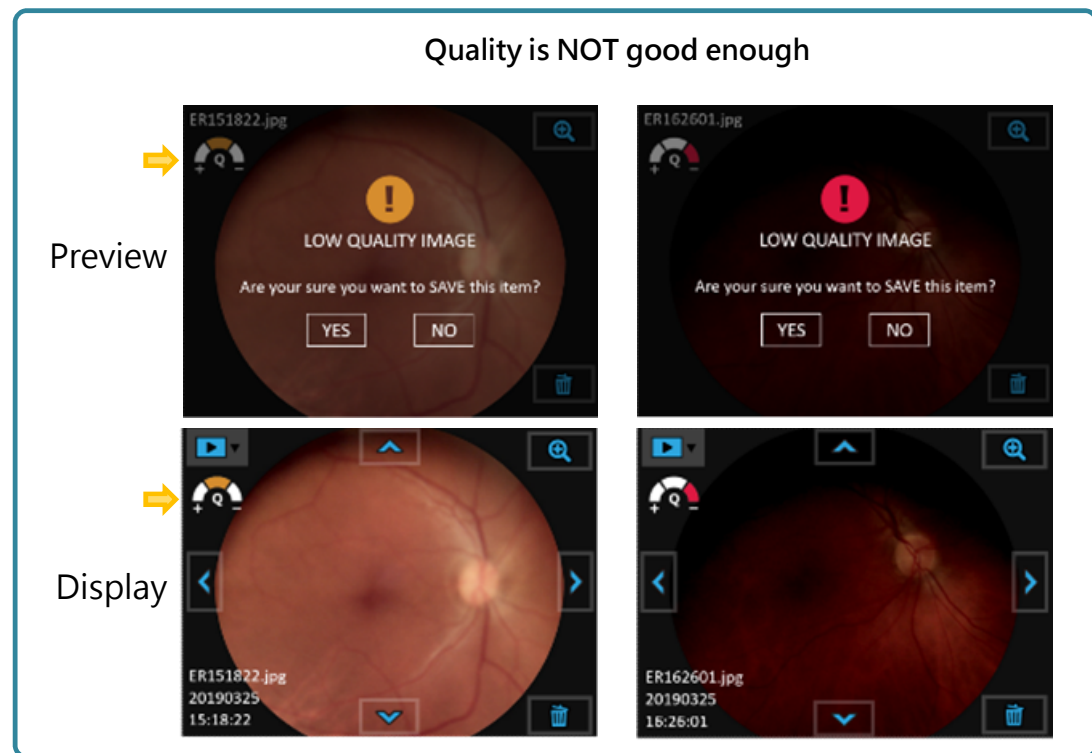
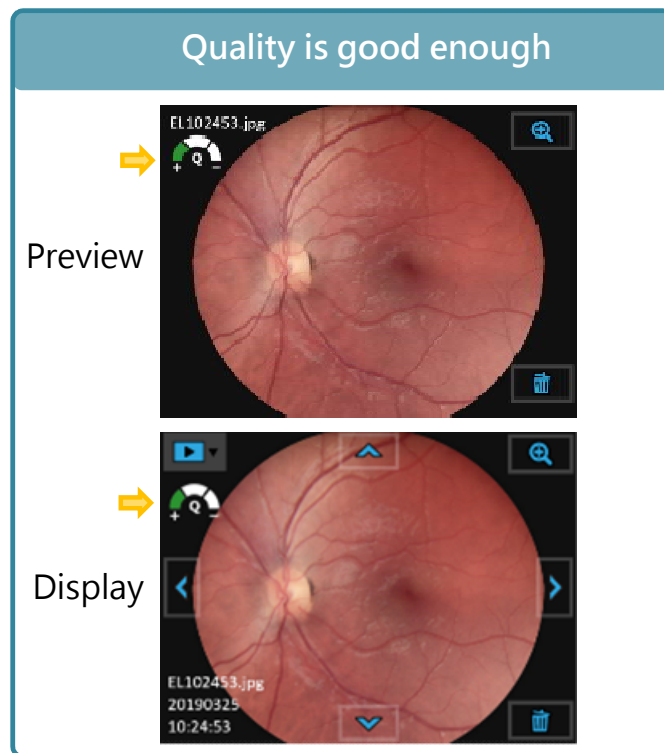


DGC 200



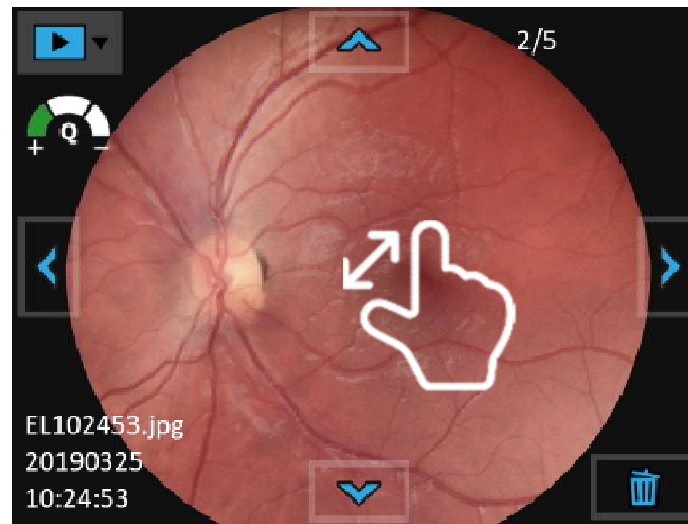
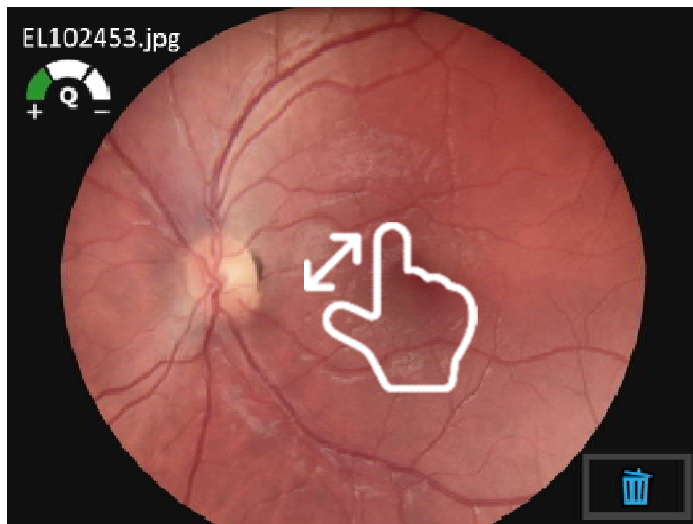
DSC 300 function - Quality Check

- ◆ Green light means the image quality is good enough
- ◆ Orange or red color means the quality is not good enough and will come out a message to notify user to save or not.



Picture Enlarge

- Using two fingers to zoom in and out with pinching.
- Pressing OK button to return to photo/video mode.



Wi-Fi Function

Workflow for Horus Digital Diagnostic Set



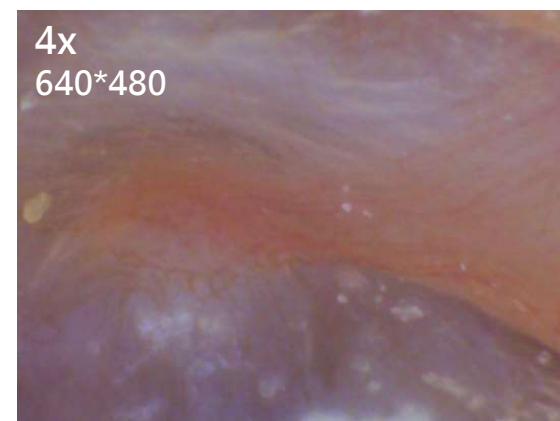
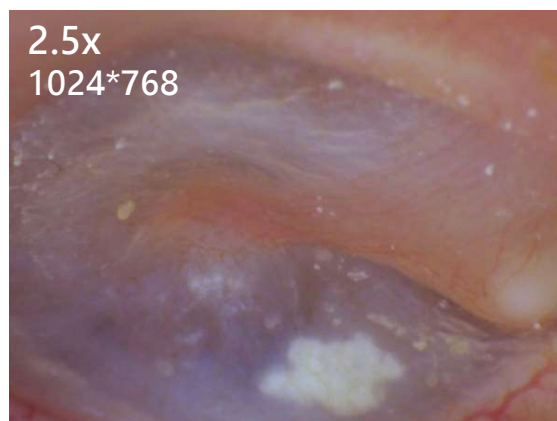
Uploading images to your EMR system with DSC 300 wirelessly.

DSC 300P Specification Comparison

Items		DSC 300P	DSC 200P	DSC 100	
CPU		DM388	DM368	DM368	
Sensor		5M (4:3)	5M (4:3)	2M (16:9)	
Focus type		Focus wheel	Step motor	Focus wheel	
LCD Monitor		3.5" Capacitive touch panel ; Multi-touch	3.5" Resistive touch panel ; Single-touch	3.5" Full color TFT-LCD panel	
Microphone		○	-	-	
Speaker		○	-	-	
File storage		Micro SD Card (2~32G)	SD Card (2~32G)	Micro SD Card (2~32G)	
Interface	Wi-Fi	Embedded	Wi-Fi SD card	Wi-Fi SD card	
	Bluetooth	Embedded	-	-	
	Micro HDMI (1920 x 1080)	○	-	-	
	Magnetic charger	○	-	-	
	Mini USB	○	○	○	
	AV output (640 x 480)	-	○	○	
Function	Manual Focus	○	○	○	
	Auto Focus	-	○	-	
	Auto Exposure (Endoscope adapter only)	○	○	○	
	Auto White Balance (Endoscope adapter only)	○	○	○	
	Live view zoom in	○	-	-	
Lens	Otoscope	DOC 300S	○	○	
		DOC 100S	○	○	
	Dermatoscope	DDC 200	○	○	-
		DDC 100	○	○	○
	General lens	DGC 100	○	○	○
	Eye fundus camera	DEC 100/ EEC 100	○	○	○
	Eye anterior lens	DEA 200P	○	-	-
		DEA 100 (ILS 100)	○	○	○
Endoscope adapter	Adapter 300	○	○	○	
	MiiS adapter	-	○	○	
Picture resolution		2560 x 1920	2560 x 1920	1920 x 1080	
Video resolution		2560 x 1920	1280 x 960	1920 x 1080	
UVC resolution		640 x 480	1280 x 960, 640 x 480	640 x 480	

DSC 300P function - Zoom In/Out in Live View

- Press ZOOM + button to zoom in, and press ZOOM – button to zoom out.



Horus Scope Series 3



Device to device solution to collect data of medical images and vital signs. (Blood pressure, Pulse Oximeter, thermometer, Digital stethoscope) by Bluetooth connection.

- Collection data can be packed and deliver by Wi-Fi.
- Compact solution for Telemedicine.

- Better CPU (DM388)
- 3.5" capacitive touch panel
- Multi-touch (Zoom in/ out)
- Video display on device
- Wi-Fi / Bluetooth module embedded
- HDMI Full HD live stream
- USB plug with lock
- Magnetic charger



Diagnostic Set



Vital Signs Data to Horus Scope



Data to SA1 Cloud



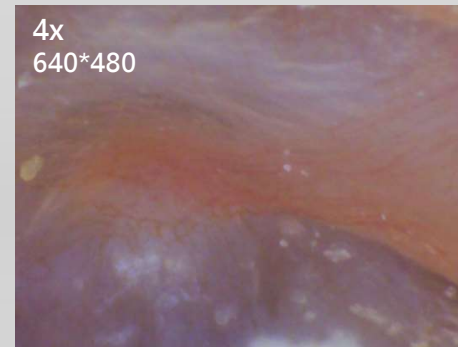
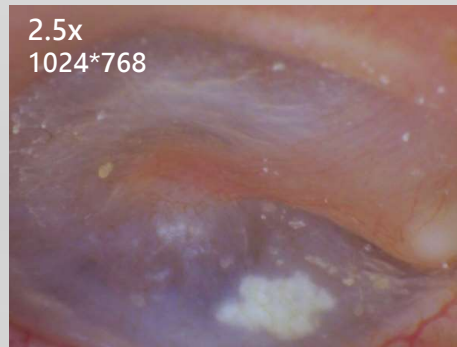
DOC 300S: next generation for Otoscope

Good to Excellent

- ✓ New optical design for better performance
- ✓ 5M pixels (4:3)
- ✓ Enlarge capability (1~4x)



DSC 300P ft. DOC 300S



DSC 100 / DOC 100S

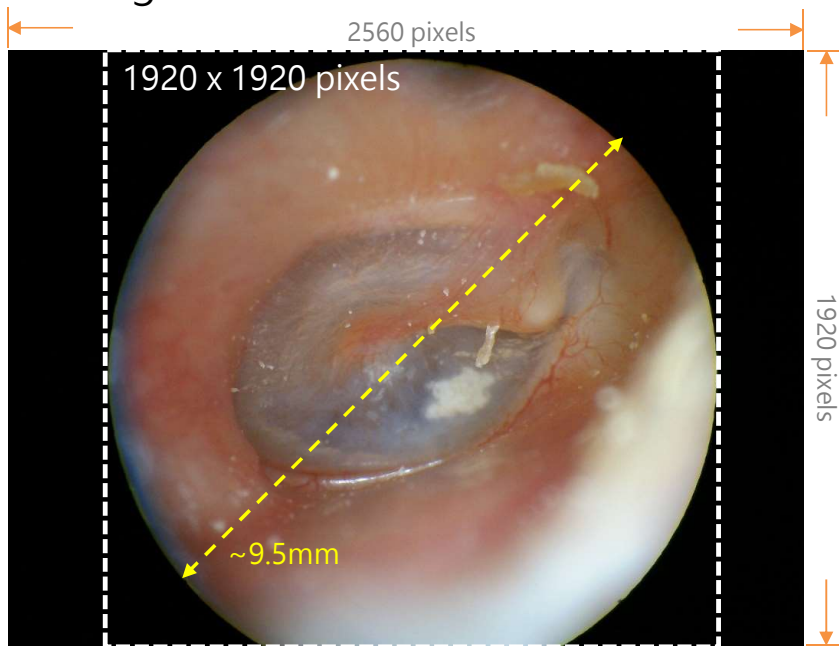


- ✓ 2M (16:9)

DOC 300S / DOC 100S Comparison

DOC 300S

- Sensor : 5M (2560 x 1920 pixels)
- Image circle : 9.5mm

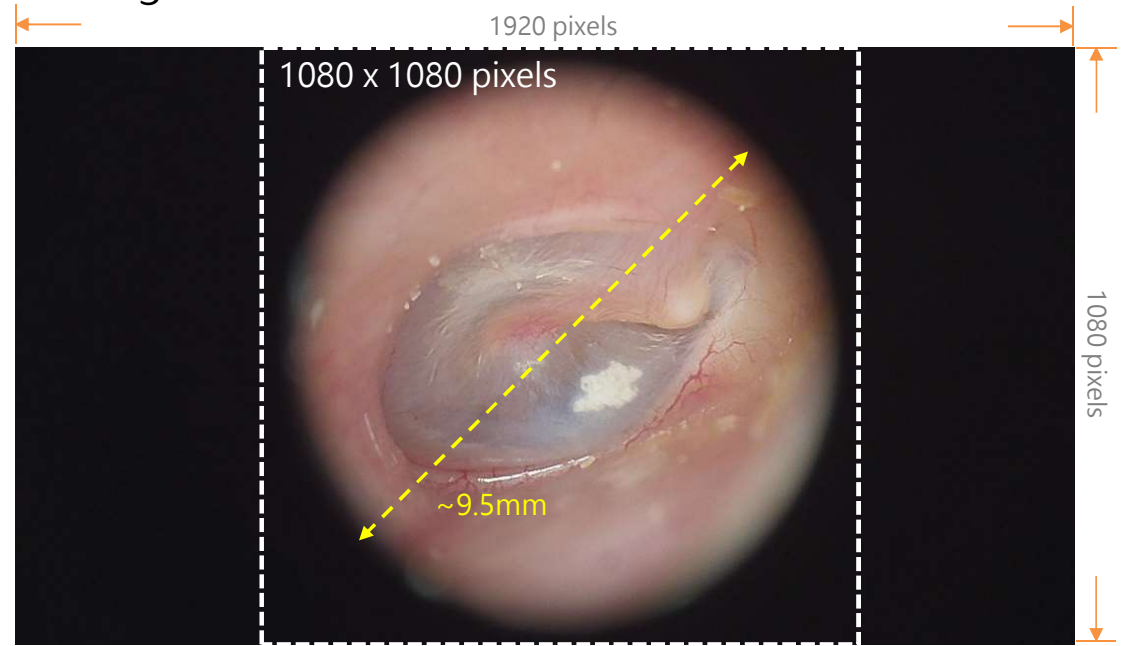


Using about 1920 x 1920 pixels to resolve phi 9.5mm image.

→ Better image resolution (more detail)


DOC 100S

- Sensor : 2M (1920 x 1080 pixels)
- Image circle : 9.5mm



Using about 1080 x 1080 pixels to resolve phi 9.5 mm image

DSC 300P Vital sign data transfer flow

Collect data from vital sign devices and tap save icon  to save as a jpg image.



It can be shown through UVC and saved to the computer.

It can be uploaded to the cloud as same as other pictures.

The data are written in the properties, that can be read if in need.

