

EQUIPMENT SPECIFICATIONS

FUNDUS CAMERA FOR DIABETIC RETINOPATHY SCREENING | NON MYDRIATIC

Produced in collaboration between the IAPB Standard List, the IAPB Diabetic Retinopathy Working Group, and international diabetic retinopathy experts

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Minimum Standards

This document specifies the minimum standards for a non-mydratric digital fundus (retinal) camera unit. It is based on the English National Screening Programme for diabetic retinopathy 2003-2016.

The unit can be a fixed or portable fundus camera.

Portable units include hand-held cameras. Handheld cameras are an order of magnitude cheaper than desktop ones, yet produce images of an acceptable quality if used on a desktop and with the patient in a chinrest. Further, these are inexpensive, portable, and easy-to-operate. These new cameras have revolutionized retinal screening programs and are thus an appealing choice especially in low- and middle-income countries.¹

DEFINITION OF "THE UNIT"

The unit means:

- the fundus camera and anything contained within it;
- the digital camera body and anything contained within it (if this is separate from the fundus camera);
- any incorporated computer hardware, firmware, and software;
- any collar or adapter required to attach the fundus camera to the digital camera body;
- the data transfer lead used to connect the camera to an external computer; and
- any other power supply, cable, or other such equipment as is necessary to capture a digital image of the retina and transfer it to an external computer.

