Claims:

1. Otoscope (10) comprising:

- a handle portion (12) allowing a user to manipulate the otoscope (10) during its application; and
- a head portion (14) exhibiting a substantially tapering form extending along a longitudinal axis (A) of the head portion (14), wherein the head portion (14) has a proximal end (16) adjacent to the handle portion (12) and a smaller distal end (18) configured to be introduced in an ear canal of a patient's outer ear,

characterized in that the otoscope (10) further comprises an optical electronic imaging unit (40) positioned at the distal end (18) of the head portion (14), especially at a distal tip (35) of the head portion (14), wherein the electronic imaging unit (40) exhibits at least one optical axis (X; X1, X2) which is positioned radially offset from the longitudinal axis (A), wherein the distal end (18) is configured for accommodating the electronic imaging unit (40) in such a way that the radial offset (r1) can be maximum with respect to the diameter of the distal end (18), and wherein a distal tip (35) of the head portion (14) exhibits a diameter of at least 4.7mm, preferably of more than 4.8mm, more preferably about 4.9mm.