

the Gateway DV-S20 as a Photoscreener



#1 Open LCD screen



Blue fixation light



USB cable port

A/C adapter cord



AA batteries

SD (secure digital) memory card



#2 "ON" Button

#3 wait for flash to charge (blink red to steady green)

#6 Review image, then rotate the LCD screen DOWN for second (astigmatism) image

#4 Press on, then "expose," then off, blue fixation light or just rotate LCD screen for fixation

#5 Aim at child from 5 feet and press silver button to expose flash image



Abnormal farsightedness (hyperopia)

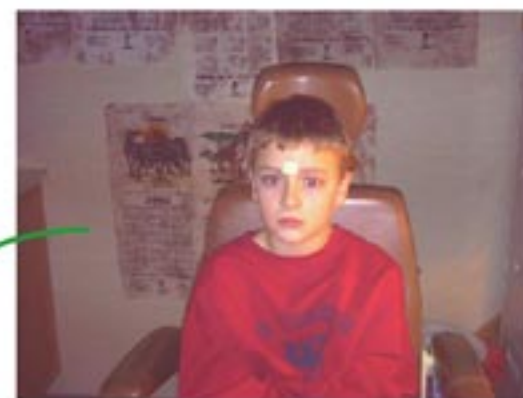


Abnormal nearsightedness (myopia)



Normal

Cropped Images (20K)

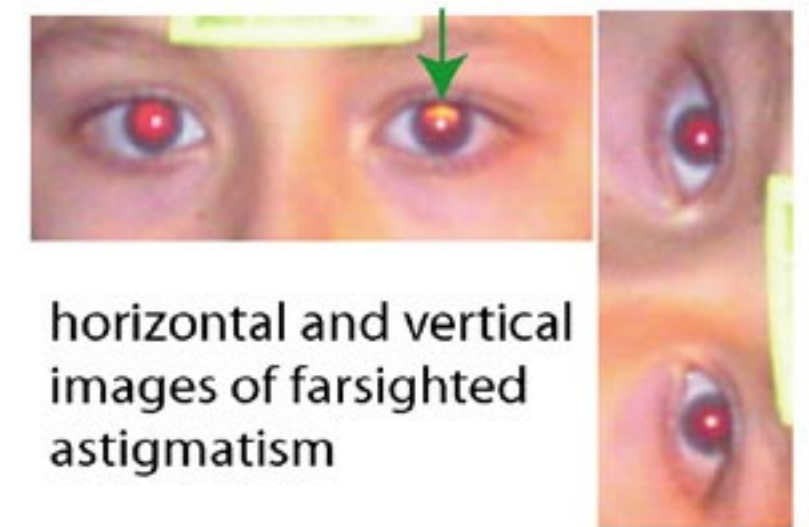


Un-cropped 2.1 Megapixel image (370K)



Anisometropia (unequal farsighted)

Delta-Center Crescent Interpretation: A photoscreen is considered "positive" or abnormal (refer) if the light crescent comes within, or beyond 1.0 mm from the center of the pupil. The diameter of a child's colored iris is about 11 mm and pupils range from 5-8 mm in the dark.



horizontal and vertical images of farsighted astigmatism

Menu Set-up: (Photo mode)
Image size L 1600 x 1200
Image quality: super fine
Exposure: 0 Ev
White balance: auto (or adj)
ISO: auto (or adj)
Quick view: On
Date imprint: On

Troubleshooting:
if screen goes blank: remove batteries and A/C power for a few seconds and then plug back in. If video pressed (red centered button) press it again to stop it. Go to "play-back" mode and erase (garbage-can button) the video to free up memory. Do not plug A/C power into the A/V play-back port. If power runs out, reset the date and time before photoscreening. Don't twist LCD too far!

Set-up for Interpretation of Images



#1 press 1 second "ON"

#3 scroll through images
#5 pan individual zoomed image

#4 magnify (twice) to view eyes

#6 resume photo mode

#2 Play Back button



Abnormal strabismus (esotropia right)



Abnormal pupils (anisocoria)