

- 13 An image on the television screen is made up of many tiny pixels. The distance between two adjacent pixels is 3.0×10^{-4} m. The human eye has a slit width of about 2.8 mm and the average wavelength of light emitted from the screen is 550 nm.

What is the distance a viewer should be away from the television for the individual pixels to be just resolved?

A 0.60 m

B 0.90 m

C 1.5 m

D 3.0 m