

Display resolution: 1000×1000 px

Frequency: $50 \text{ Hz} = 50 \text{ 1/s}$, which means that 1000×1000 px are refreshed 50 times per second

So one pixel has $1/(1000 \times 1000 \times 50) = 0,00000002 = 2 \times 10^{-8}$ seconds to be generated.