DAY 26 · Part 3 · What It Can Do

How many dots are in one second of video? — Making videos

Five-Minute AI Lessons · Oct 2, 2026

One second of video is thirty pictures, and those thirty have to connect.

In a nutshell

1. A video isn't really a "moving picture." It's **lots of still pictures shown one after another, fast** — usually about twenty-four to thirty of them every second.

2. So a video AI has dozens of times more work than the picture AI you met yesterday. And **it can't draw each picture on its own** — each one has to connect to the one before it, or it won't look natural to us.

3. In numbers, one second means **more than 60 million dots** made from scratch and lined up with each other. That's why making videos is so slow and heavy.

One picture vs one second of video

One picture

· About 2.07 million dots
· Draw it once and you're done
· Nothing before or after to match

One second of video

· Needs about 30 pictures
· About 62.2 million dots
· The pictures have to connect

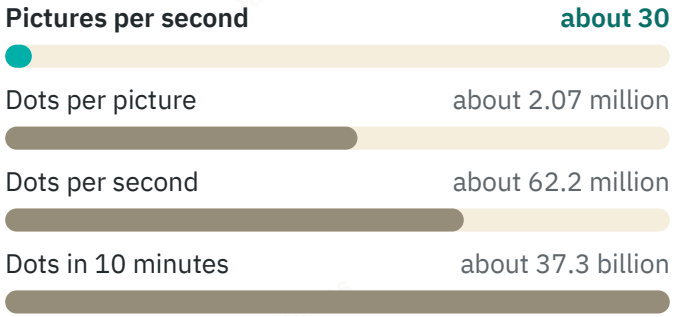
The right side isn't heavy just because it's bigger. If the 30 pictures don't line up, people's eyes catch it right away.

Key idea: video isn't a picture problem — it's a "connecting" problem

How many digits? Guessing one second of video

about 30

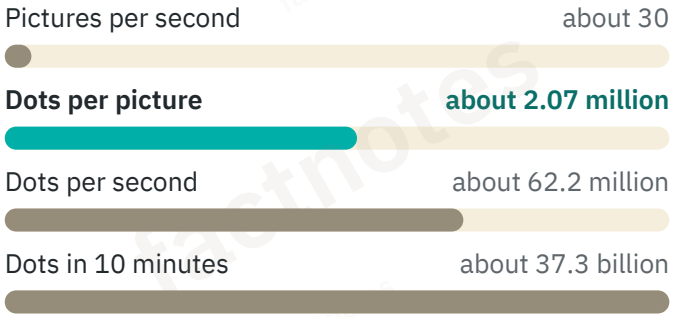
Pictures per second



Phone videos usually have 30 pictures per second; movies have 24. Each of these pictures is cal...

about 2.07 million

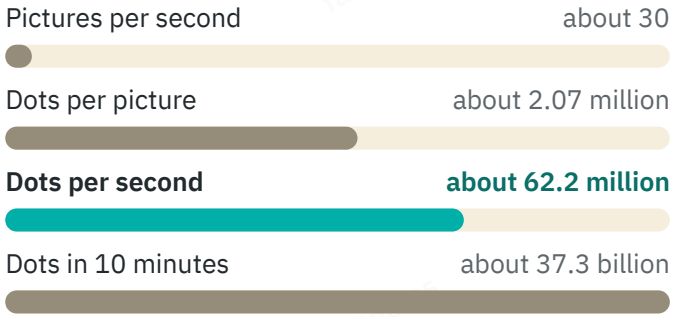
Dots per picture



That's 1920 times 1080. Each dot is called a "pixel," and a screen is just these dots packed ti...

about 62.2 million

Dots per second



That's 2.07 million times 30. Just to make one second, the AI has to decide this many dots — an...

Move the slider to guess how many digits the number has. Then compare it with the real value, and you'll feel w...

Try it yourself in the web lesson · next-token.net/en/learn/day-26/

Quick check

Just three questions

Q1

Why is making a video so much heavier than making a picture?

① It has more colors
② The screen is bigger
③ It needs sound added
④ It needs dozens of pictures that all match

Q2

About how many pictures go into one second of video?

① About 30
② 1
③ About 300
④ About 3,000

Q3

What do you call one picture in a video?

① Pixel
② Frame
③ Resolution
④ Subtitle

Know the why, too

Q1

④

One second alone needs about thirty pictures, and they have to connect. There's a lot to make, but "matching" them is the harder part.

Q2

①

Phone videos have 30 per second, movies about 24. That's why one second balloons to 62.2 million dots.

Q3

②

One picture is a frame, and one dot inside it is a pixel. 30 frames per second, 2.07 million pixels per frame.

One second of video is thirty pictures, and those thirty have to connect.

Tomorrow: Voice — what do you have to split apart to copy a human voice?