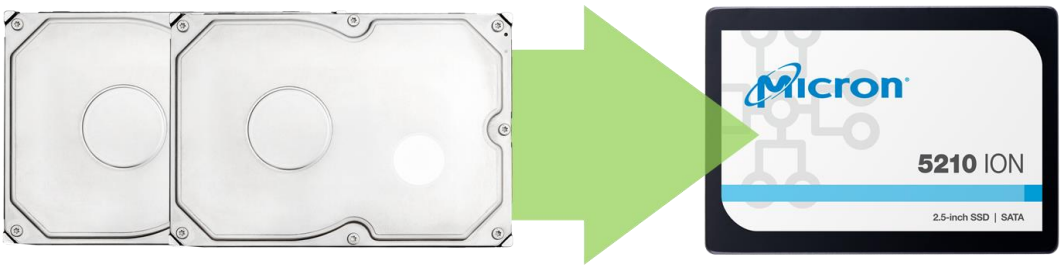
Media Streaming (CDN)

QLC SSDs are dethroning HDDs as the CDN storage standard. Optimized for multi-user media streaming, QLC SSDs offer a highly scalable, optimized solution. The Micron® 5210 delivers.



Micron 5210 QLC SSD vs. Legacy 7.2K RPM HDDs

Everyday CDN Metric	HDD	5210	Improvement
Content ingest (seq write)	250 MB/s	360 MB/s	40% better
1 user, 1 video (seq read)	250 MB/s	540 MB/s	2x better
Multiple users watching the same video (random read)	400 IOPS	90,000 IOPS	225x better

8TB 7.2K HDD vs 7.68TB Micron 5210 (public specifications comparison)

5210 Advantage > 40% Better Performance

How much is your time worth?

Typical CDN Workload

Storage access pattern: random reads & sequential writes
Storage IO size: 128KB
Read/write ratio: 95% read / 5% write
How the workload works:

- Content (1GB+ movies, shows, games) ingested into streaming platform
- Multiple-user access staggers playback and download, resulting in random and concurrent reads, which HDDs aren't optimized for
- Seamless user experience -expected, making QLC SSDs the new norm

Ready to learn more? Read Micron's in-depth CDN research