HIKVISION®

HikCentral Professional

Empower Your Future, Advanced and Growing

- On-demand scalability
- Instant failover
- High concurrency efficiency
- Maximized database capacity
- Visualized management
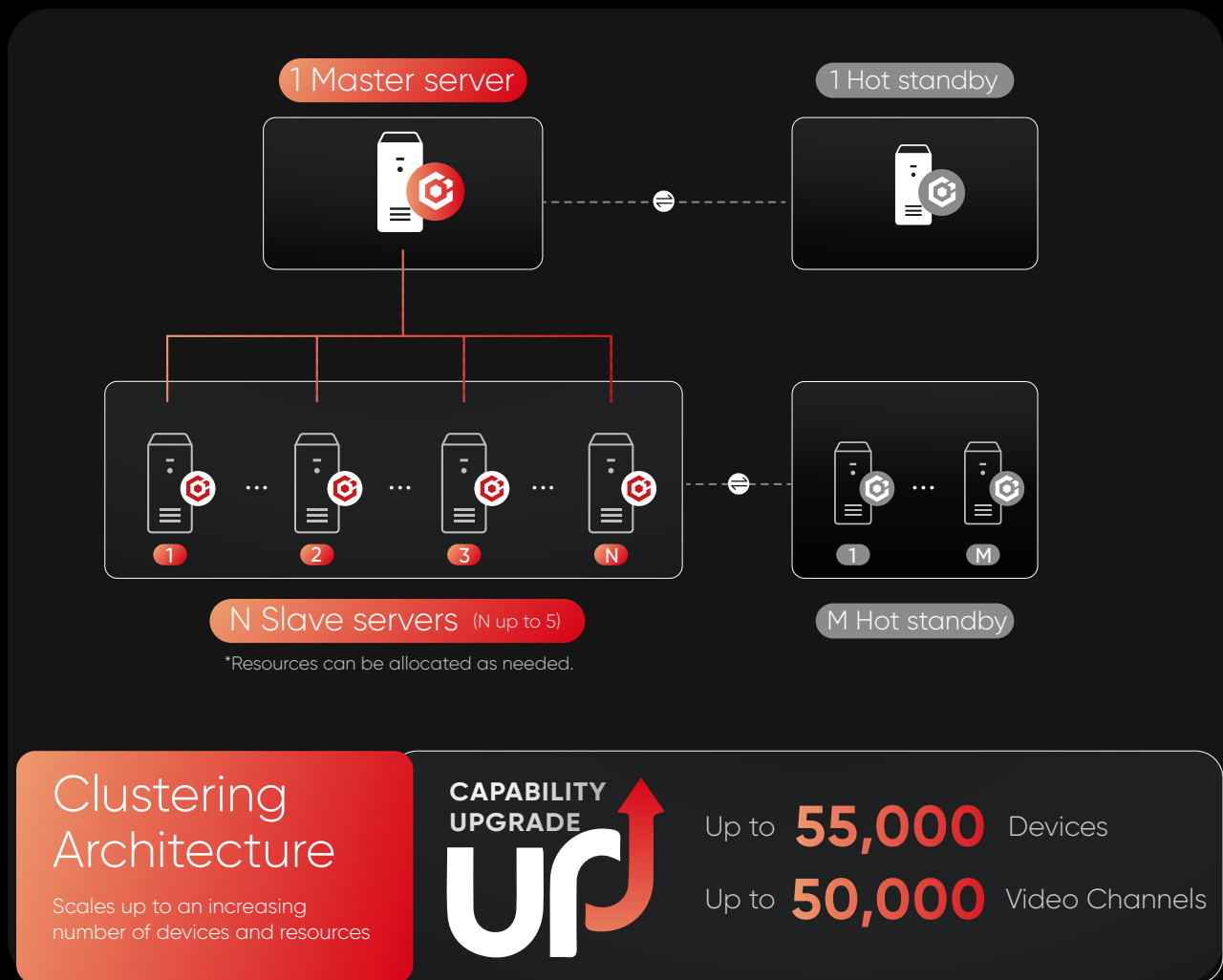- Versatile application scenarios
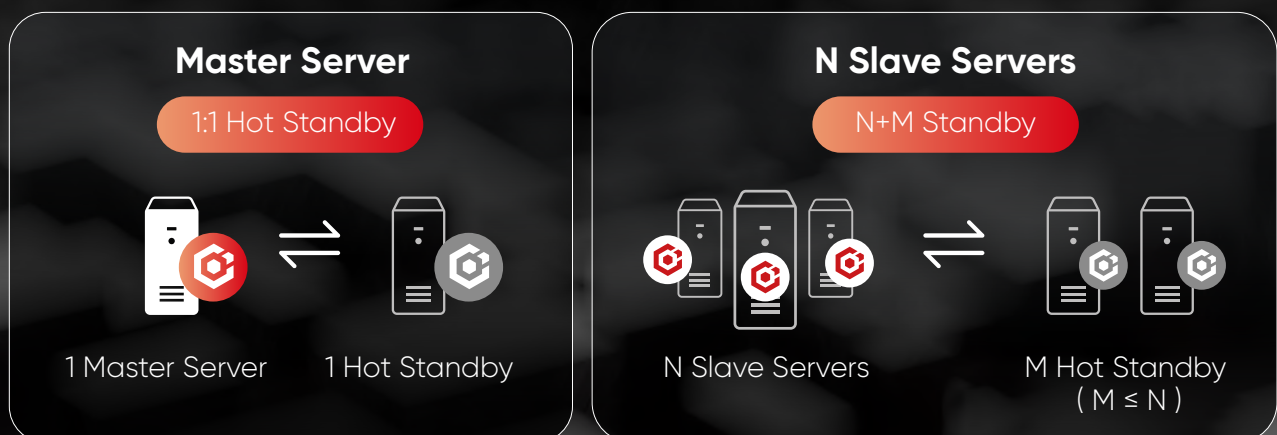
UPGRADED Architecture

V3.0
RELEASED

HikCentral Professional v3.0 is designed to match your business growth with exceptional capacity and performance, making it ideal for large-scale applications.

On-demand Scalability

1 Master server

1 Hot standby

N Slave servers (N up to 5)

1   2   3   N

1   M

M Hot standby

*Resources can be allocated as needed.

Clustering Architecture

Scales up to an increasing number of devices and resources

CAPABILITY UPGRADE
UP

Up to **55,000** Devices

Up to **50,000** Video Channels

Instant Failover

Master Server

1:1 Hot Standby

1 Master Server   1 Hot Standby

N Slave Servers

N+M Standby

N Slave Servers   M Hot Standby (M ≤ N)

High Concurrency Efficiency

HIKVISION®

Elevated Performance, Smoother Streaming

4 x 1 Gigabit NIC aggregation,

2000 Mbps (Coming soon with v3.0.1)

10 Gigabit NIC,

4000 Mbps* (Coming soon with v3.0.1)

*Up to 1600 Video Channels

Load Balancing

Minimized interruptions in high-traffic environments of stream clustering

Greatly Enhanced Real-time Alarm Response Speed
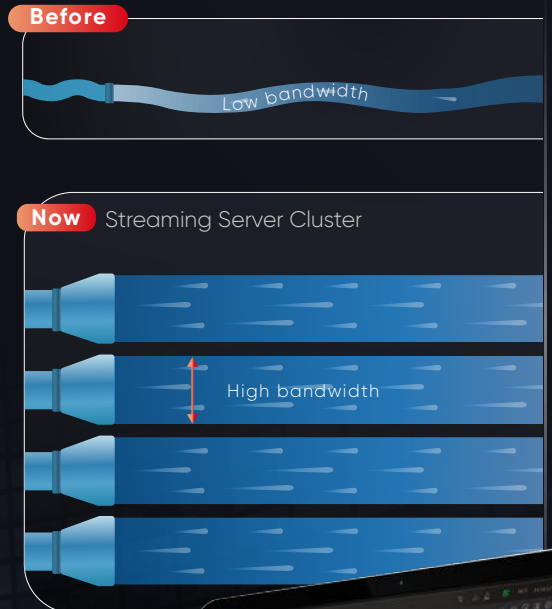
With images: peak of 750 events/s — lasting **1 hour**

Without image: peak of 3000 events/s — lasting **1 hour**

* This is the maximum value. Performance can vary based on actual conditions and configurations.

Video Stream Comparison

Before — Low bandwidth

Now — Streaming Server Cluster

High bandwidth

🔔 Alarms

📅 Events

Maximized Database Capacity

Efficiently storing and searching for

billions of records 🗄

Total storage capacity of each application:

1 Billion

🚌 On-Board Security ✅

🔒 Access Control ✅

🧍 Portable Enforcement ✅

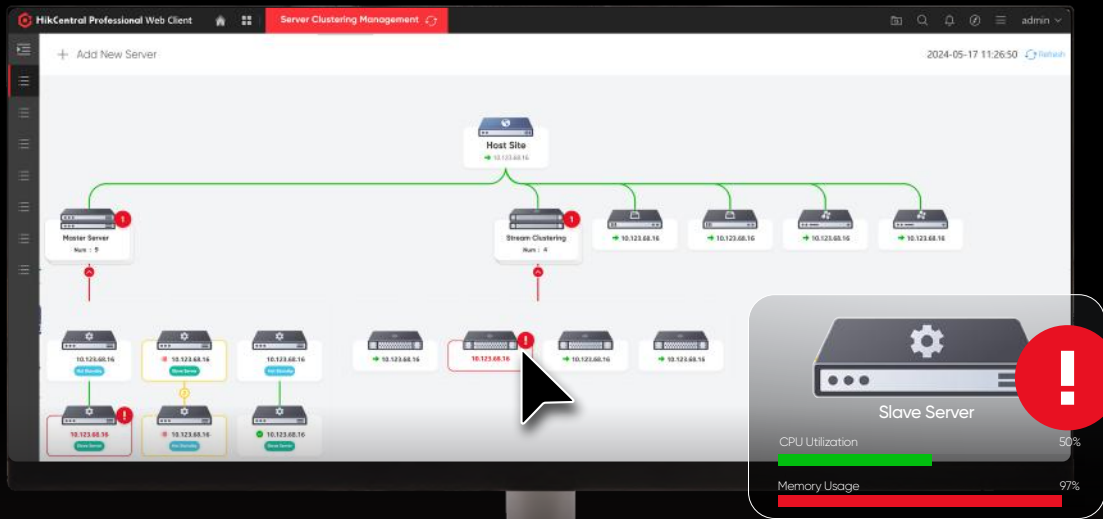••• More... ✅

Reliable Storage

1:1

database backup

24/7

real-time data backup

Visualized Management

Quick Configuration

Rapid setup, addition, deletion, and migration of servers and devices

Easy to Use

View overall server topology, single server status, and memory usage
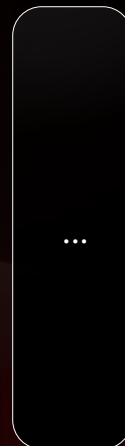
Versatile Application Scenarios

Retail Chains

Multi-site Banks

Communities

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