

energy-efficient **DVR for the future**



Hikvision eDVR
DVRs with eSSD Technology

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Embedded
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Eco-friendly



Enduring
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Easy to set
up and use



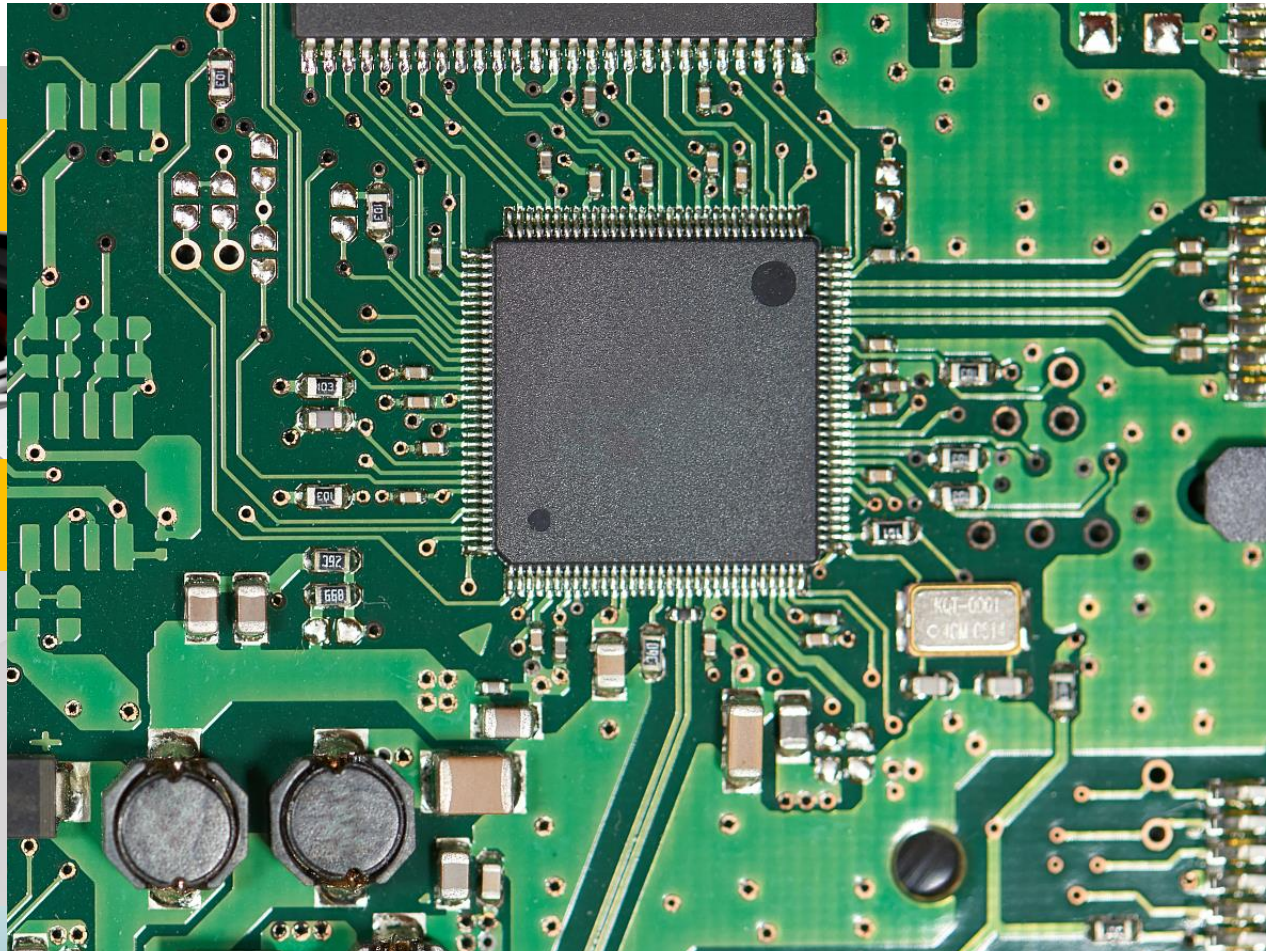
Efficient
video
analytics

e mbedded SSD

eSSD (embedded Solid-State Drive) is a **chip-level** storage with **high integration, ultra-low power consumption** and specially developed and designed technology. The eSSD applied in Hikvision DVRs are integrated with Hikvision's data management technology.

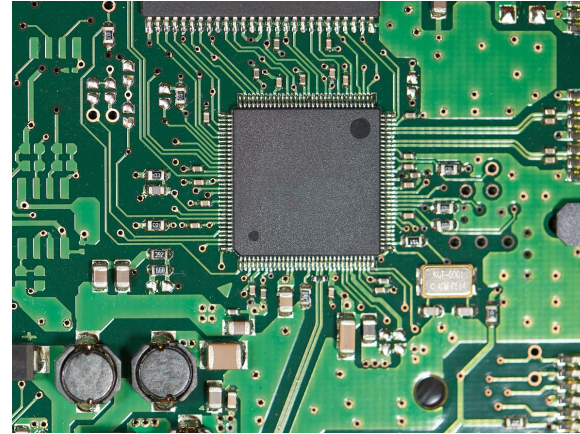
SSD Strength

THE MECHANICAL PARTS CAN BE REPLACED
by Chips



SSD Strength

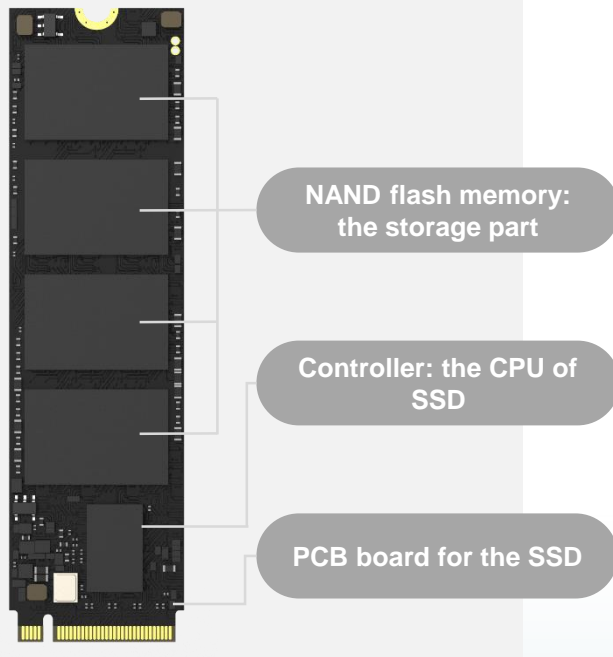
The mechanical parts can
be replaced **by Chips**



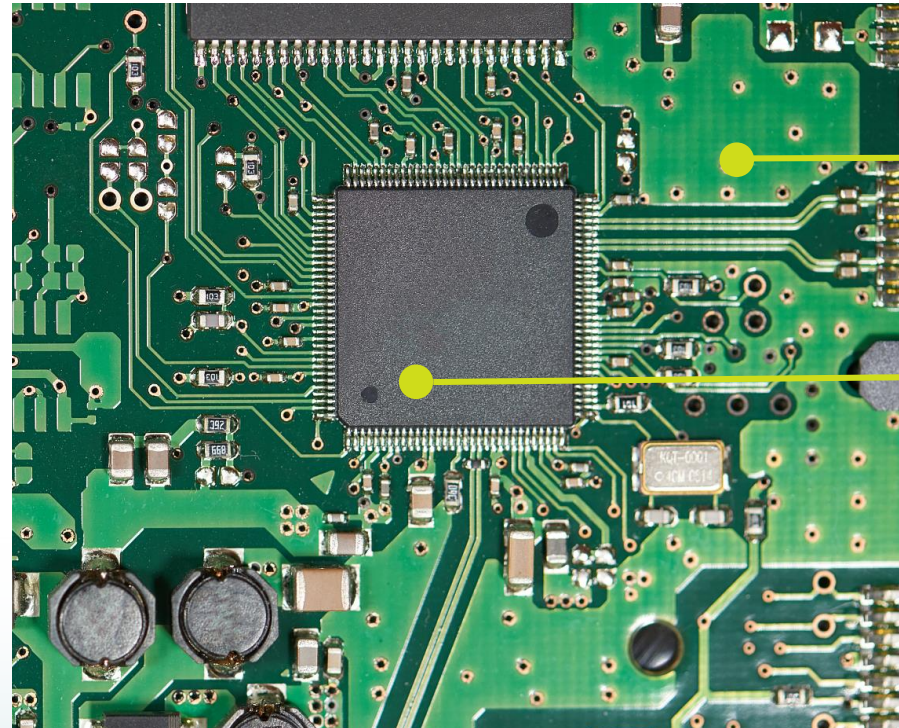
Enduring storage and high cost efficiency is guaranteed

- ✓ Good shock resistance
- ✓ Low power consumption
- ✓ High durability

Conventional SSD



eSSD



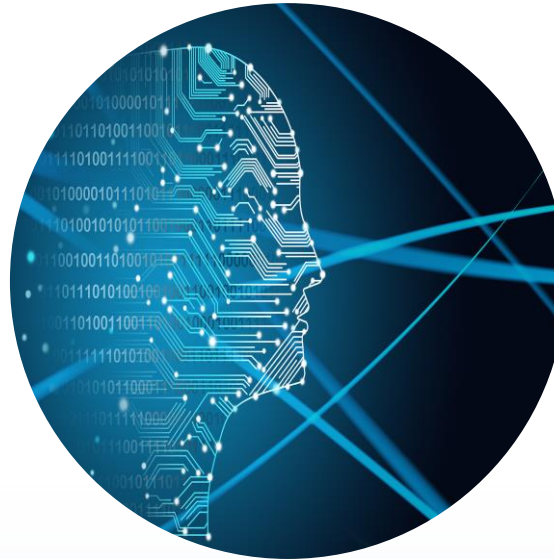
eSSD is specially designed for security use that guarantee 24/7 working ability and low power consumption

Superior Technology

Streaming Media Storage Equalization Algorithm 2.0

To expand storage and prolong lifespan

- Garbage Collection
- Wear Leveling
- Bad Block Management



To ensure stability and reliability

- SLC Cache
- Error Checking and Correction

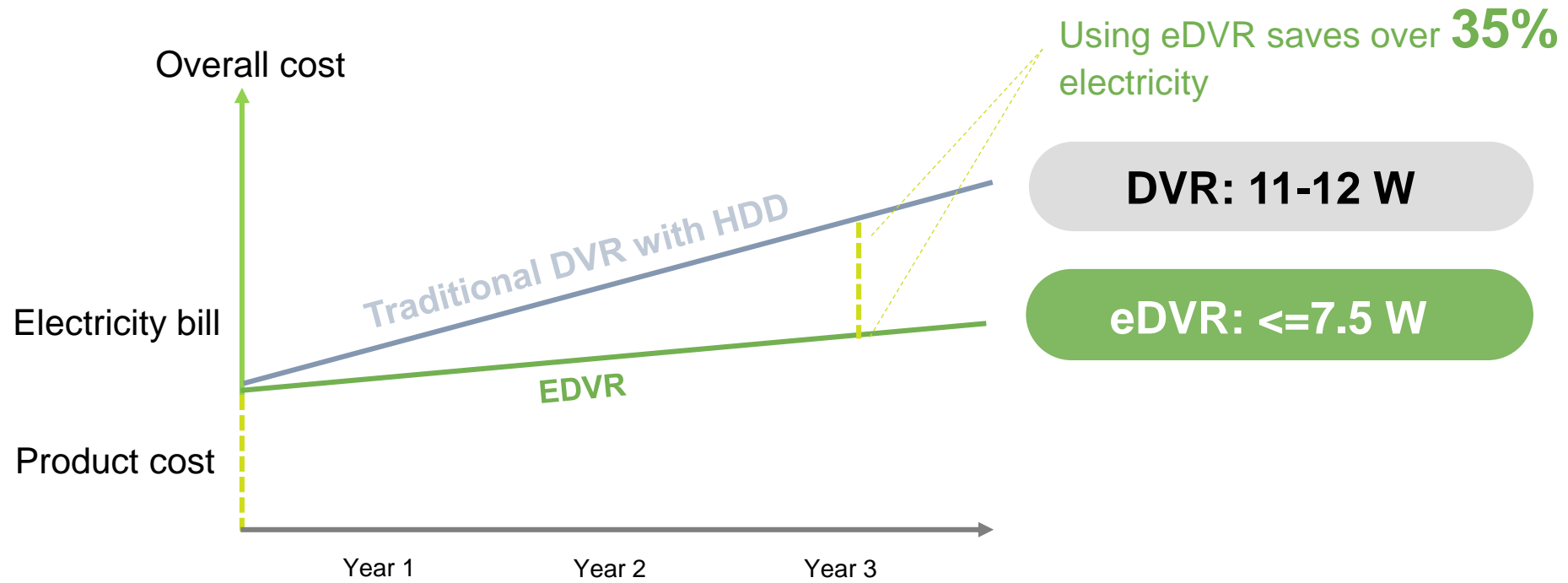
Durable for about **666* weeks (12 years)** of data storage



e co-friendly

The EDVR is designed to be environmentally friendly and features several eco-friendly elements. The device's low power consumption with eSSD and smart fan design make it energy-efficient and noiseless during operation. Additionally, the EDVR's packaging materials are fully recycled, reducing its environmental impact and enhancing its sustainability. These eco-friendly features not only reduce energy consumption and lower operational costs but also contribute to a cleaner environment.

Low power consumption = Less cost



Low power consumption = Less cost





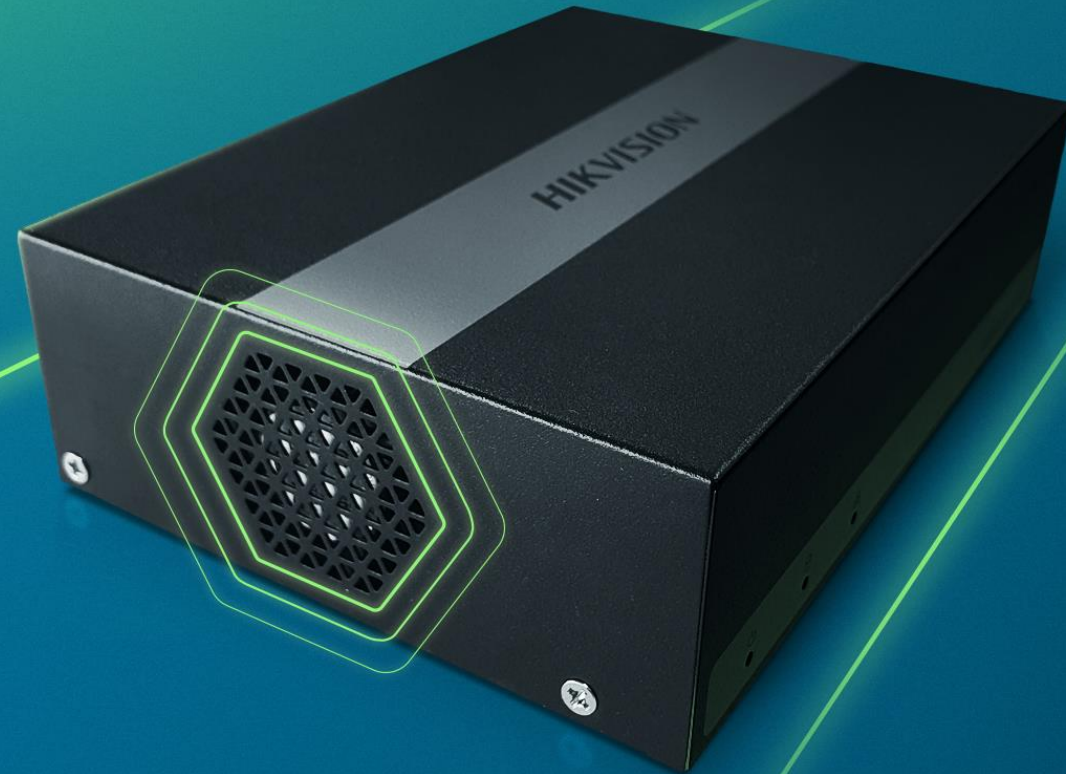
eco-friendly

Smart Fan Design

Smart fan function

Only activates once the temperature of the eDVR reaches 30°C

-  Less power consumed
-  Quieter operation



eco-friendly

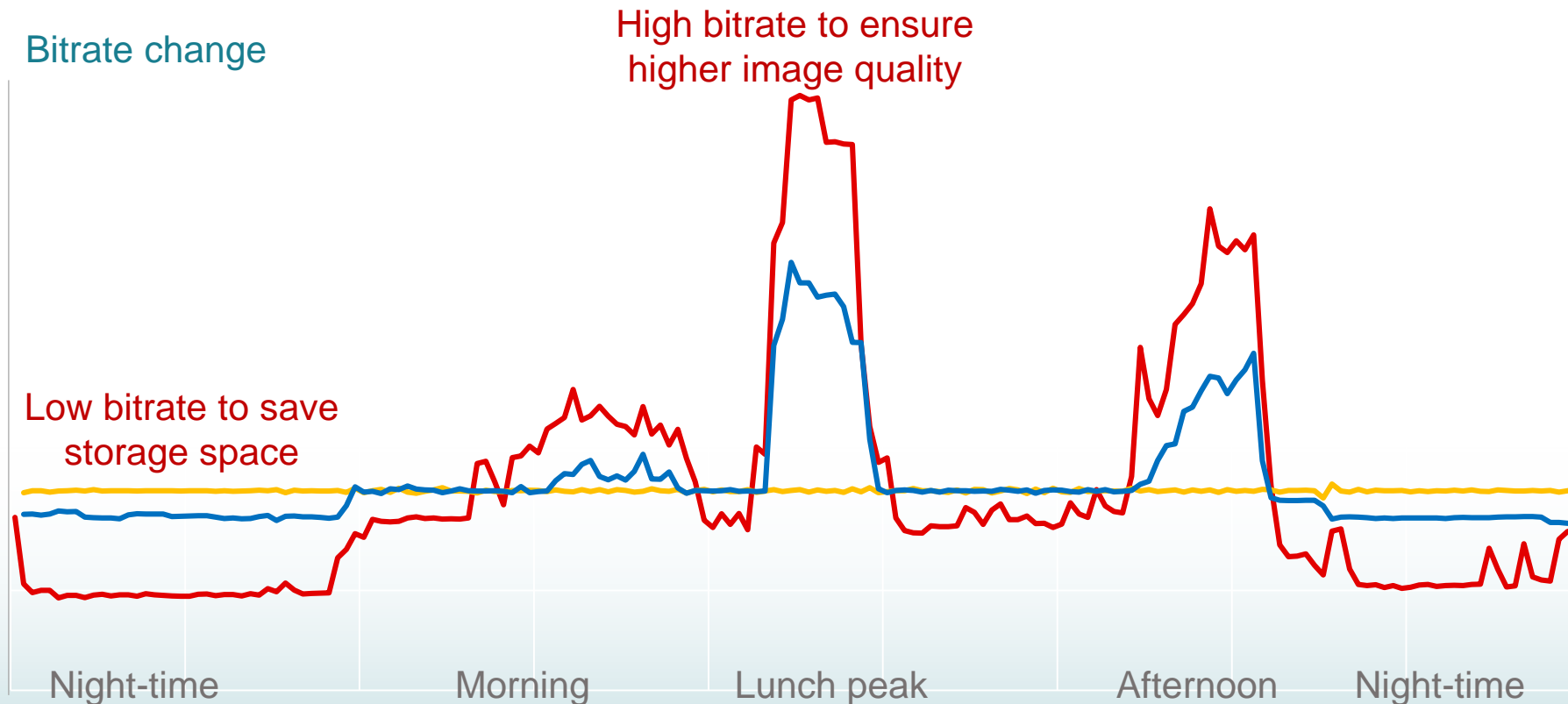
Biodegradable packaging materials



e nduring storage

H.265-based scene-adaptive bitrate coding by Hikvision is applied on eDVRs to ensure sufficient storage and quality video compression.

H.265-based scene-adaptive bitrate control In comparison with two traditional ways of coding



Scene-adaptive bitrate (eDVR)

Changing bitrate; efficient compression; stable image quality; allocated storage.

Variable bitrate (H.265 Pro)

Changing bitrate; high image quality image; unpredictable storage.

Constant bitrate (other brand)

Low-efficient compression; unstable image quality.

Test statistics in a cafeteria for reference only.
Bitrate change can differ in actual application environment.

Enduring Storage

H.265-based scene-adaptive bitrate control

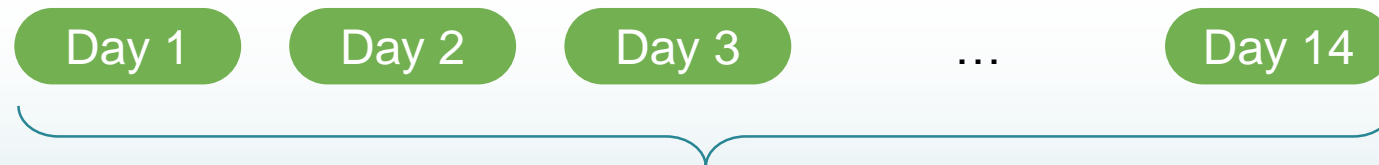
Storage allocation is enabled to ensure 2 weeks' recording

Event judgement and storage prediction



The algorithms can detect how complicated and active the actual scene is, and then assign certain bitrate to the scene according to the level of activeness, so as to guarantee storage allocation.

Storage allocation



The 1TB storage is pre-allocated into about 14 days, with minor differences in each day according to actual scene and events.

Enduring Storage

There is an estimated time that Edvr can record for users' reference

The screenshot shows the HVR software interface. The left sidebar contains a menu with the following items: System, Network, Camera, Event, Record, Schedule, Parameter, Recording Period (highlighted), Storage, and Advanced. At the bottom left of the sidebar is a toggle for 'Easy Mode'. The main content area is titled 'Estimated period for reference: 14 day(s)' and includes a 'Configure' button. Below this is a table with the following data:

Channel	Resolution	Frame Rate(fps)	Video Quality	Bitrate(Kbps)
A1	1920*1080(1080P)	15	Medium	791
A2	1920*1080(1080P)	15	Medium	791
A3	1920*1080(1080P)	15	Medium	791
A4	1920*1080(1080P)	15	Medium	791

Estimated period for reference: 14 day(s).

asy to set up and use

Palm-sized DVR makes it so much easier to install in real application. When in daily operation, the built-in E-UI enables intuitive and simple configuration.

Easy to Setup and Use



Mini Size

- More flexible installation
- Lower warehouse and shipping costs



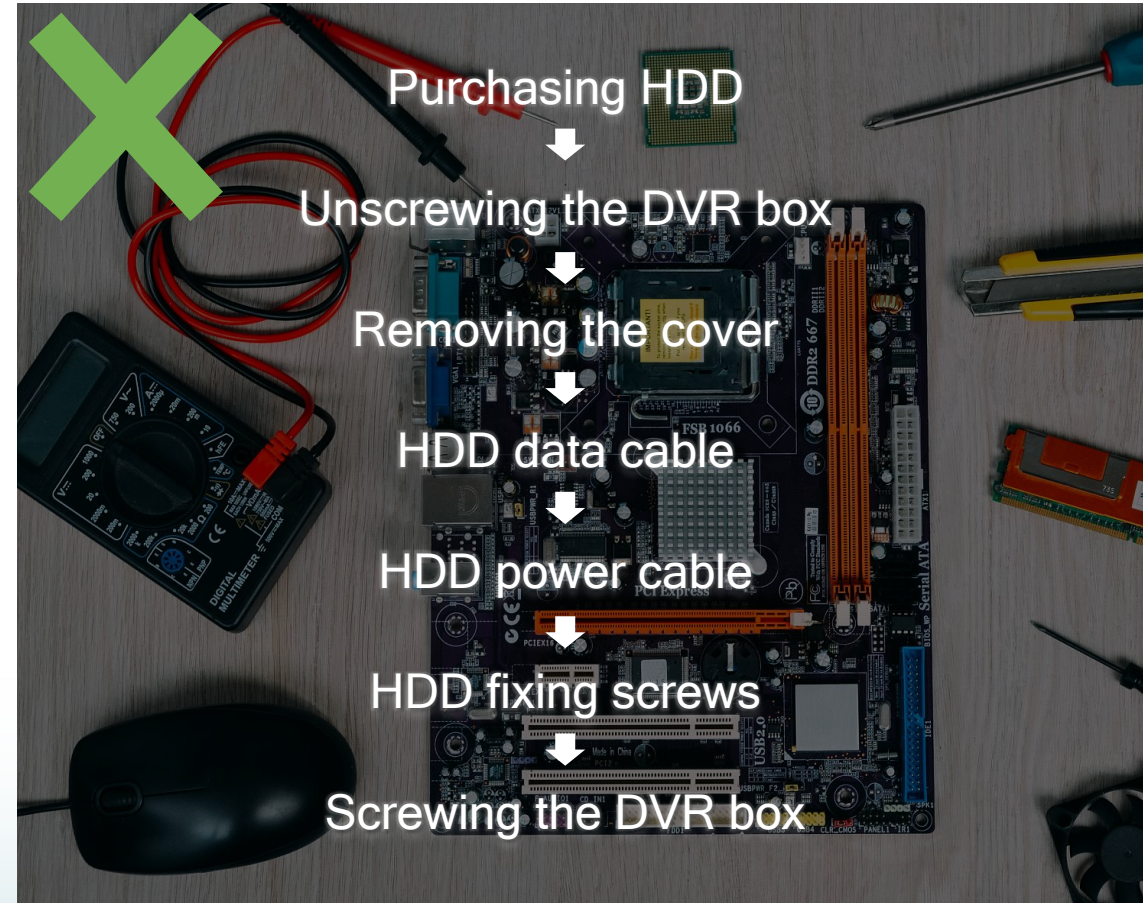
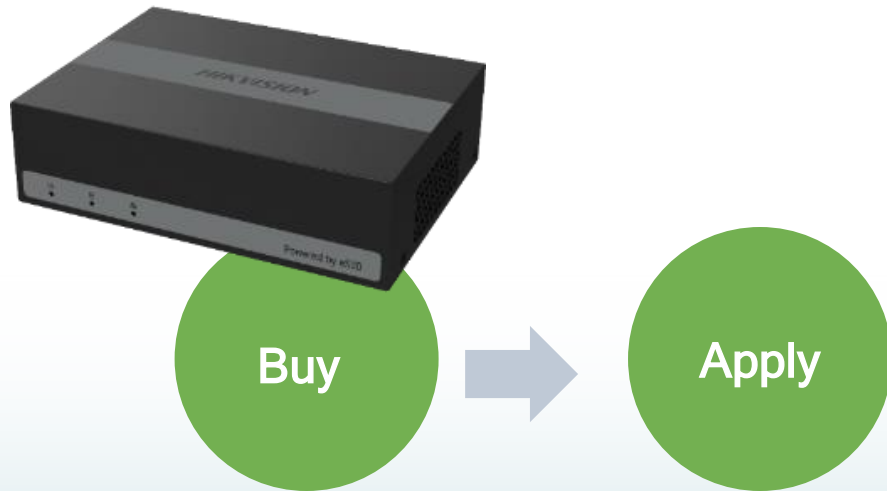
151 × 121 × 46 mm



Easy to Setup and Use

Integrated Structural Design

Easy installation: not requiring unscrewing, just buy and apply.



HOW MUCH FASTER IS THE

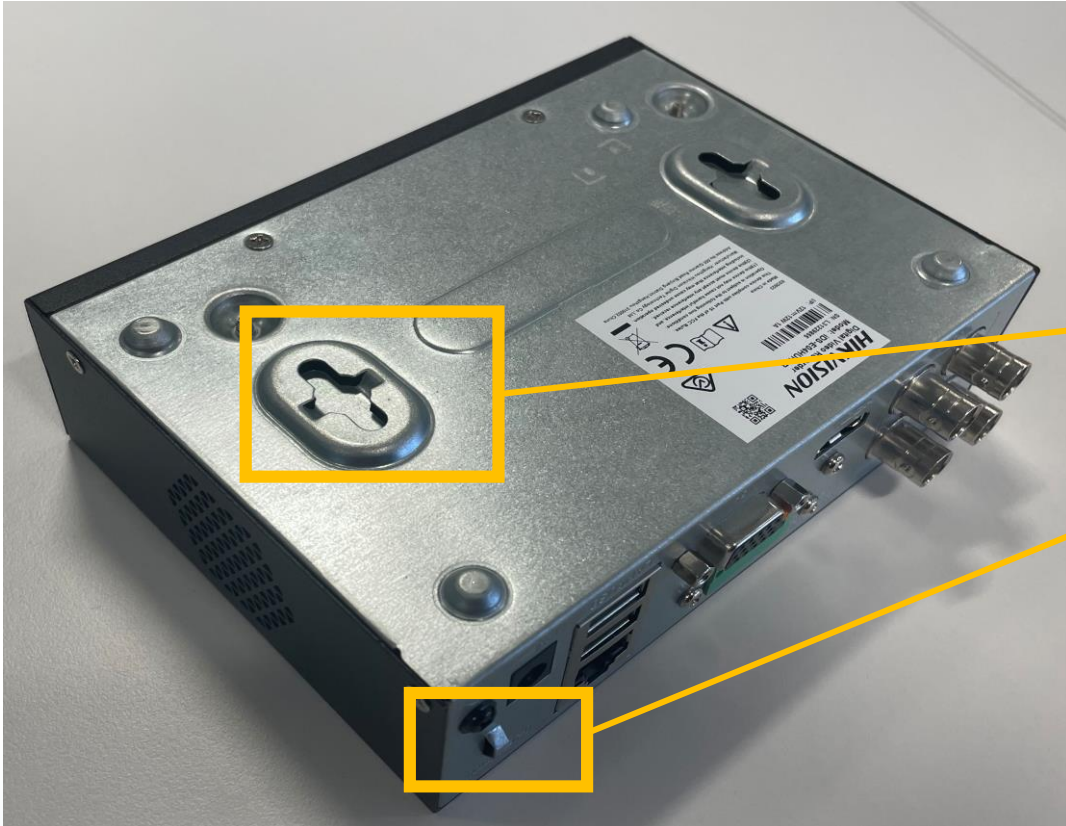
**SETUP
TIME**

FOR

HIKVISION'S eDVRs?



Easy to Setup and Use

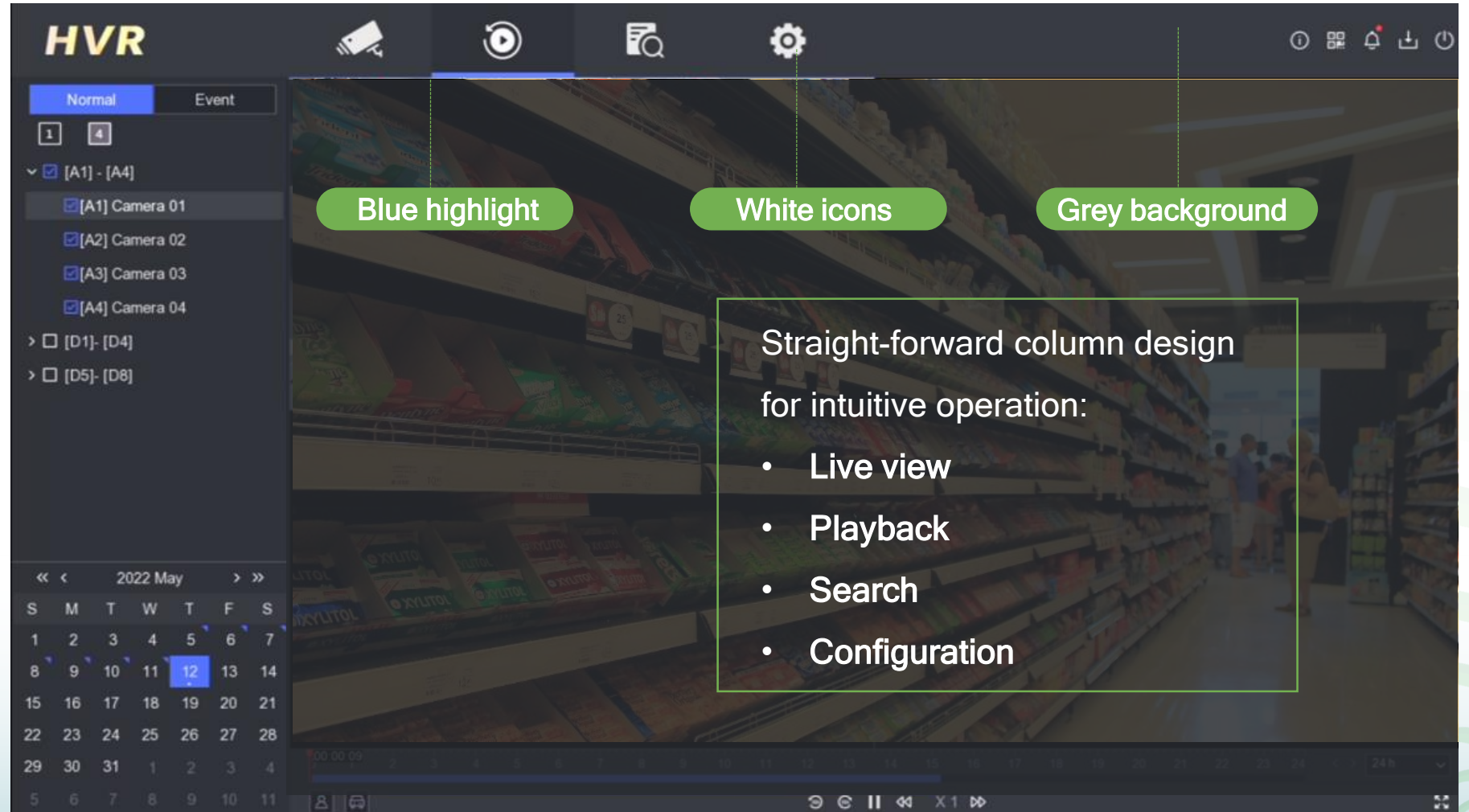


Flexible Mounting Options

Easy to Setup and Use

E-UI

Easy User Interface



fficient video analytics

Intelligent human/vehicle classification is in-built in the eDVRs, enabling smart Motion Detection and quick target search and playback.

Motion Detection 2.0 Human/vehicle motion detection for all analog channels



Motion Detection
on **by Default**

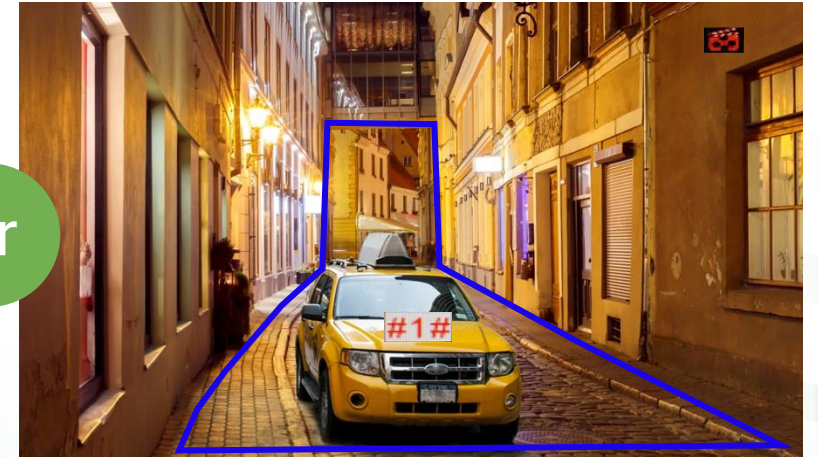
✓ Human

✓ Vehicle



Full-screen detection by default

or



Configurable and flexible detection boxes

Smart VCA

Human/vehicle Perimeter protection
for all analog channels

Smart Playback

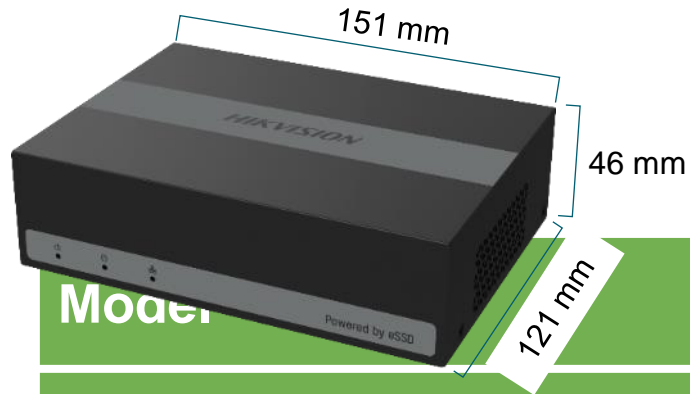
The screenshot displays a video playback interface. On the left, a calendar for December 2021 is shown, with the 2nd of the month highlighted in blue. The main area shows a video timeline with a red vertical marker at 16:07:20. A green callout bubble points to the timeline with the text: "You can skip ordinary stream, and only play back human/vehicle events!". At the bottom, a control bar includes a person icon, a car icon, and a checkbox labeled "Skip Normal Videos" which is checked and highlighted with a yellow box. The video frame shows a scene with metal chairs and a person's legs.

Application Scenarios



- **Small and integrated design**
You can even mount it on the ceiling. It is tidy and do not worry about the video recorders being found and destroyed by criminals.
- **Shock-resistant and stability**
You don't have to worry about accidental damage to your hard drive. Store operations are more secure.
- **Smart Fan and Noiseless**
Noise won't be an issue to limit your installation location.

Product Showcase



Model

DS-E04HUHI-B

Storage

960 GB

Recording Capacity

4-ch 3K/ 5 MP @ 12 fps
about 2 weeks

Power Consumption

7.5 W (max)

Basic Features

- Human & Vehicle Classification - Motion Detection 2.0& Smart VCA
- HDTVI / AHD / CVI / CVBS /2* IP video input
- H.265 & Scene-Adaptive Bitrate Control

Warranty

3 Years