

**HIKVISION**

*AcuSense*

*ColorVu*



MORE THAN WHAT YOU SEE  
**TURBO HD 5.0 SOLUTION**

Ever since Hikvision introduced its Turbo HD technology back in 2013, security industry professionals have praised its amazing ability. The Turbo HD line transforms analogue CCTV video into high quality, high definition surveillance. It's more than an upgrade – it's revolutionary technology. Installers love it because they can install it using existing coaxial cable (and other wiring, too); business owners love it because it's cost-effective; and everyone who uses it loves it for its clear, sharp imaging, high reliability, and ease of use.

Each iteration of the Turbo HD product portfolio advances the technology to the next amazing level. Version 1.0 took analogue resolutions from 420 TVL up to Hi-Def 1080p – by nothing more than plugging old wires into new cameras and DVRs! Fast-forward a few years to version 4.0, where Turbo products sent analogue signals up to 8 MP and began using the H.265 high-efficiency codec; what's more, Hikvision's signature H.265+ codec maintains 4K video while cutting bandwidth and storage requirements down by as much as 87%!



# Turbo HD HISTORY

## Turbo 1.0

- Resolution: from 420TVL to HD1080P
- Compression: H.264

## Turbo 4.0

- Ultra HD: up to 8MP
- Compression: H.265 & H.265+
- Ultra low light technology
- Updated Installation flexibility: PoC 2.0

## Turbo 3.0

- Resolution: Up to 5MP
- Compression: H.264 & H.264+
- Compatibility: TVI / CVBS / IPC along with 2 more standards
- Installation flexibility: PoC 1.0

## Turbo 5.0

# Turbo HD 5.0

## MORE THAN WHAT YOU SEE

And it gets even better.

Boasting new features and functionalities, Turbo HD 5.0 once again takes analog and CCTV systems into the future. This new version transmits vivid color imaging 24 hours a day, with a brightness and clarity not seen before in TVI systems. And – for the first time in Turbo HD history – deep learning technology provides high tech security surveillance capabilities that surpass industry standards worldwide.

Read on for more information about what Turbo HD 5.0 – the newest and best version to date – can do for your next upgrade.



### AcuSense Turbo HD DVR

Based on deep learning algorithms, the AcuSense technology offers improved VCA accuracy.

- Deep-learning algorithm
- GPU architecture
- Target classification (Human / Vehicle / Others)



### ColorVu Turbo HD Camera

With 24 hour chromatic imaging, the ColorVu technology turns dark nights into colorful day.

- Large Aperture
- Advanced Sensor
- Friendly Lighting

# AcuSense Turbo HD DVR

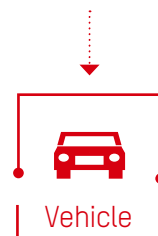
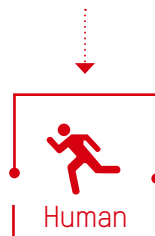
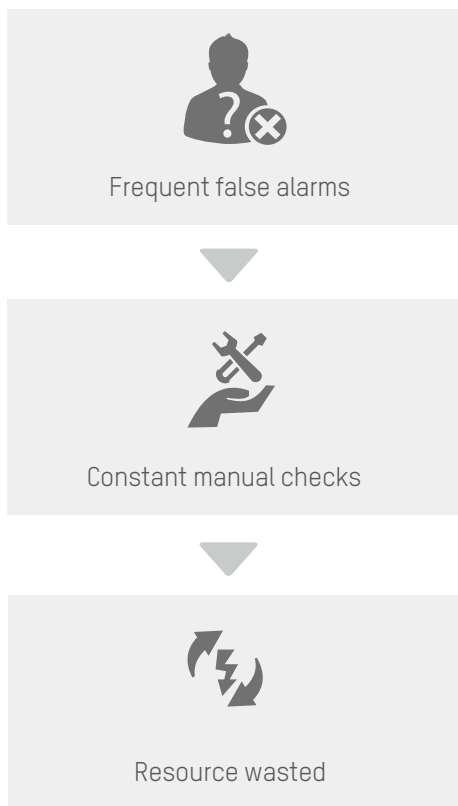
## INTELLIGENTLY ACCURATE WITH DEEP LEARNING



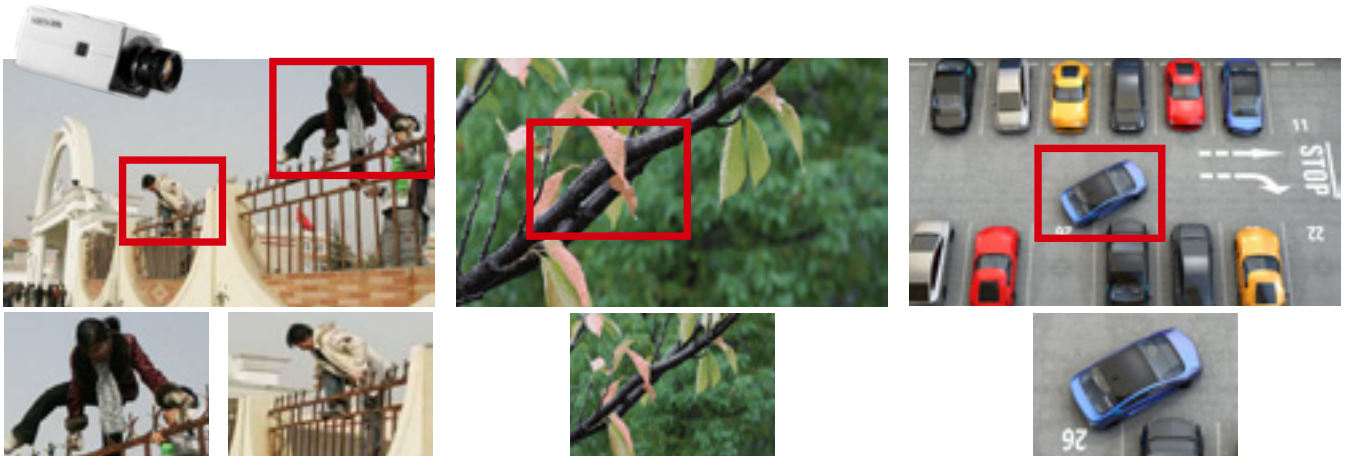
### Problems with Conventional Systems

- Conventional security systems only detect moving targets without further analysis
- Frequent false alarms create constant problems for users

### Target Classification

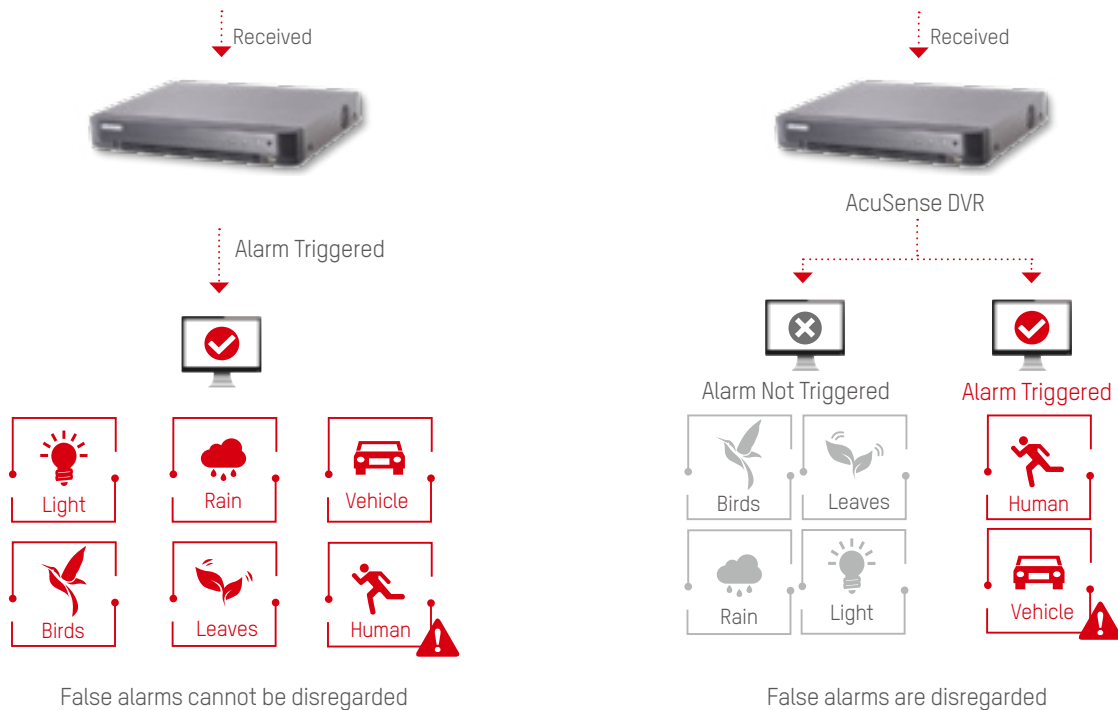


## False Alarm Reduction



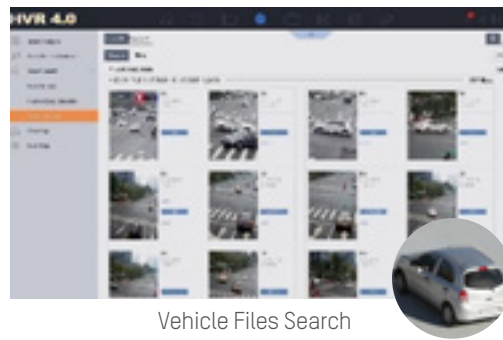
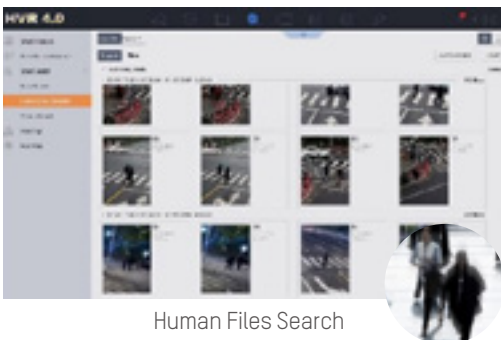
Conventional Perimeter Protection

Perimeter Protection with Deep Learning



## Quick Target Search

Infused with the latest deep-learning technology, AcuSense DVRs are able to extract human and vehicles from massive video data and store snapshots of the objects for efficient video footage search and retrieval.



Smart human/vehicle recognition  
Efficient video retrieval

# ColorVu Turbo HD Camera

## ROUND-THE-CLOCK VIVID COLOR BOOSTER

### Large Aperture

- F1.0 super aperture
- BBAR coating
- ED Optical glass



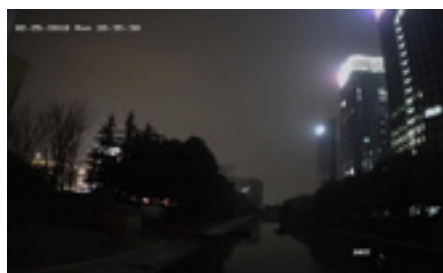
### Advanced Sensor

- Smart FSI technology
- Self-adaptive 3D DNR algorithm

### Friendly Lighting

- Anti-glare diffusion lens
- Warm supplemental lighting

## 24/7 Chromatic Image -without supplemental light



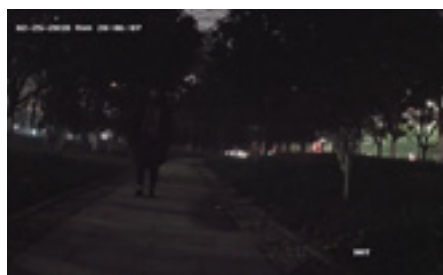
Conventional 1080p Camera



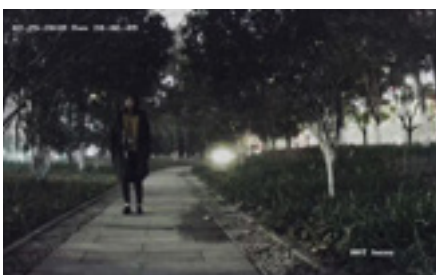
Ultra-low-light and 1080p Camera



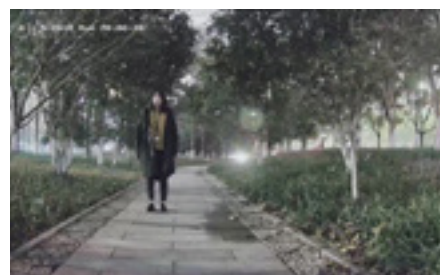
ColorVu Turbo HD Camera



Conventional 1080p Camera



Ultra-low-light and 1080p Camera



ColorVu Turbo HD Camera

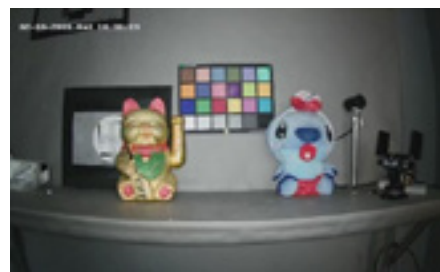
## 24/7 Chromatic Image -with supplemental light



Conventional 1080p Camera



Ultra-low-light and 1080p Camera

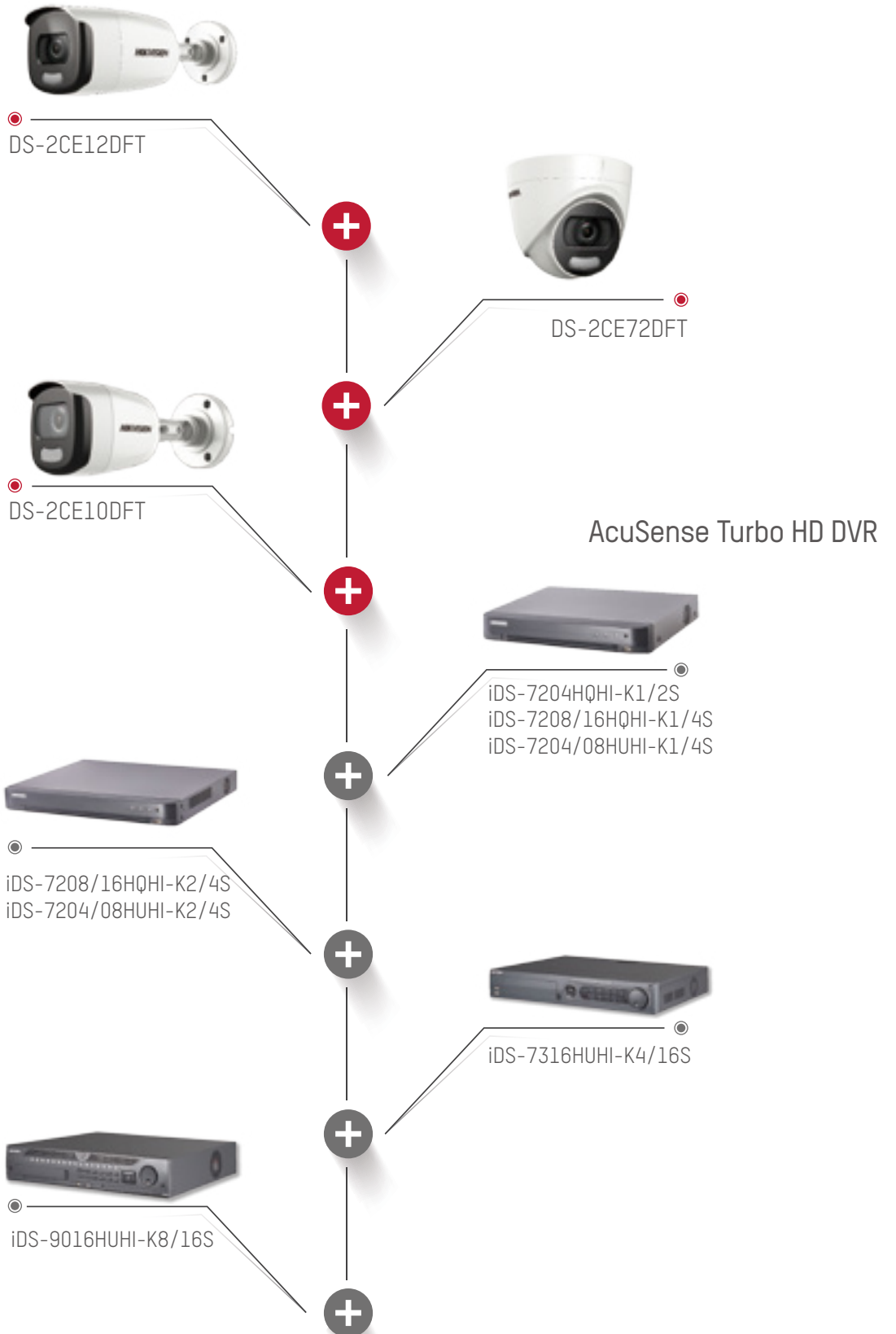


ColorVu Turbo HD Camera

Turbo HD 5.0

# Turbo HD 5.0 PRODUCT SHOWCASE

## ColorVu Turbo HD Camera



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**TURBO HD 5.0 SOLUTION**

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