

Turbo HD 5.0

More Than What You See

History

Turbo HD 3.0

- 5MP
- H. 264+
- TVI/CVBS/IPC and other 2 standards
- PoC 1.0

Turbo HD 1.0

- HD1080P
- H. 264

Turbo HD 4.0

- 4K
- H. 265 & H. 265+
- Ultra low light technology
- PoC 2.0

Turbo HD 5.0





AcuSense

Accurate Sense, the intelligent analyze technology based on deep learning algorithm improves VCA accuracy.



AcuSense Turbo HD DVR



ColorVu

Colorful view, the 24/7 chromatic imaging technology improves video surveillance quality.



ColorVu Turbo HD Camera

AcuSense Turbo HD

Intelligently accurate with deep
learning



Present Situation in Conventional Systems

- Conventional security systems only detect moving targets without further
- analysis.

Frequent false alarms create constant problems for users.



Frequent false alarms



Constant manual checks



Resources are
wasted

AcuSense Turbo HD DVR

A silhouette of a person with their arms raised, holding a glowing, wavy energy line that stretches across the frame. The background is dark, and the person is wearing a light-colored shirt and pants.

- 1 Target extraction
- 2 False Alarm Reduction
- 3 Quick Target Search

AcuSense Turbo HD DVR • Target Extraction



AcuSense
Technology

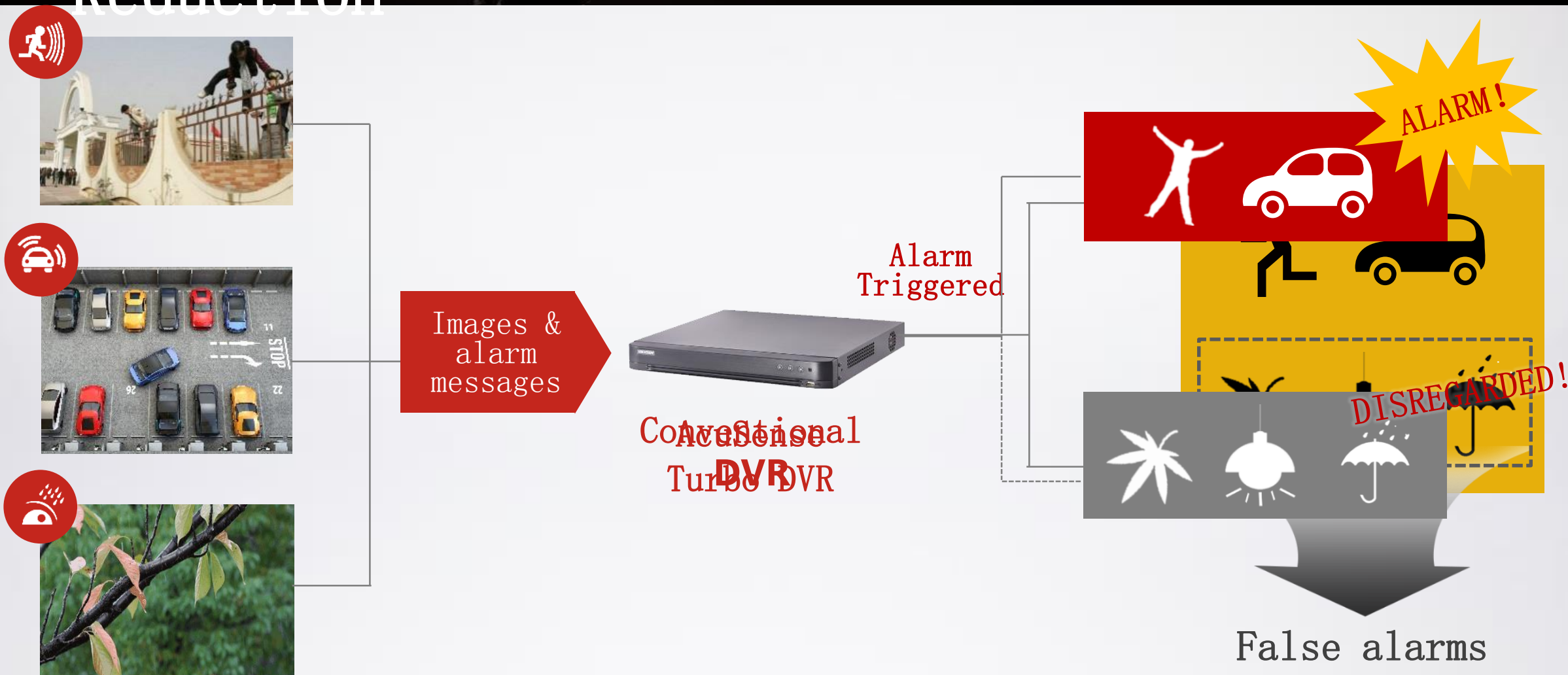
Human



Vehicle



AcuSense Turbo HD DVR • False Alarm Reduction



False Alarm Reduction • Demonstration



 Human Target Detects **Triggered!**

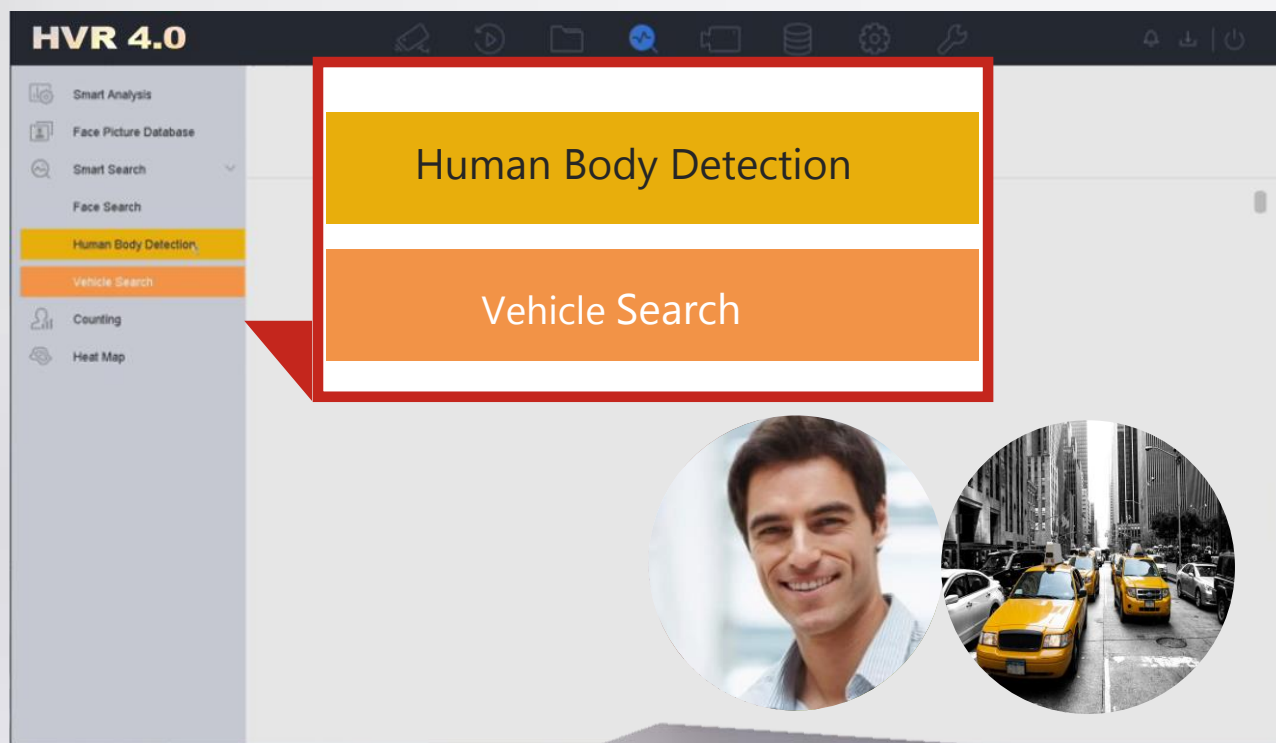
 Vehicle Target Detects

 Shaking Leaves Detects

 Non-human (Vehicle) Target

disregarded!

AcuSense Turbo HD DVR • Quick Target Search

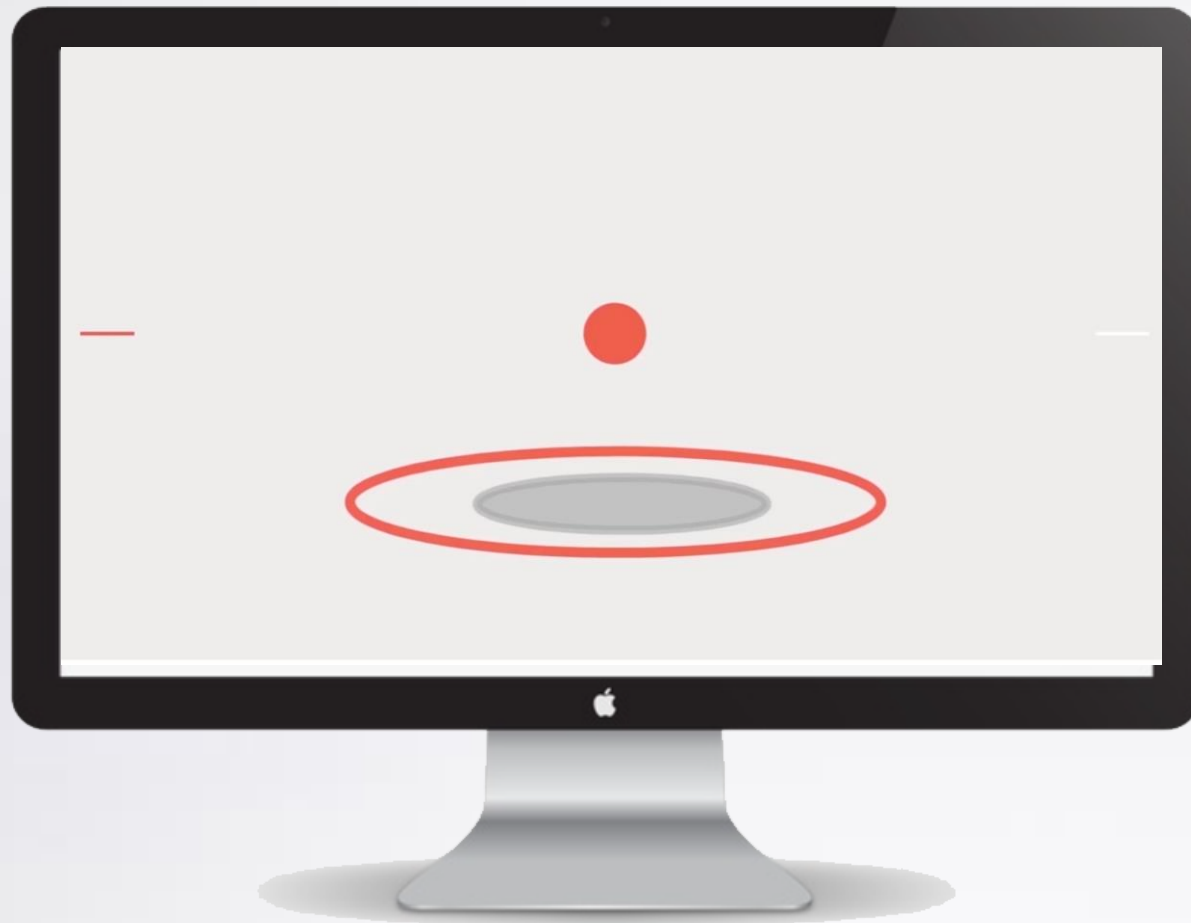


Smart

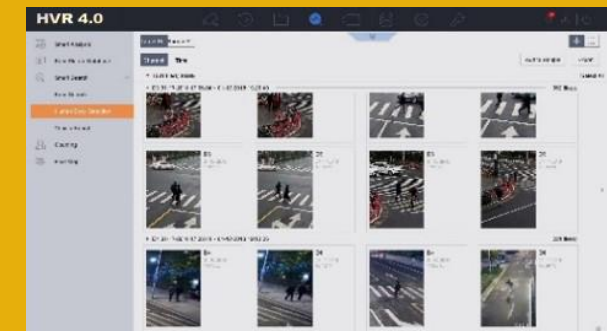
Human/Vehicle recognition
Efficient and valuable data searching

AcuSense Turbo HD DVRs, which are integrated with deep-learning technology, fast extract interested Human/Vehicles from massive video data in a certain time.

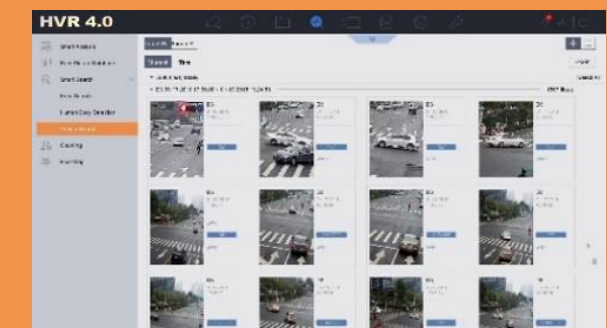
Quick Target Search • Demonstration



Human Files Search



Vehicle Files Search



ColorVu Turbo HD

C Round-the-clock Vivid Color Booster

ColorVu Turbo HD Camera

HIKVISION

Advanced lens

More light, brighter images, and balanced exposure.



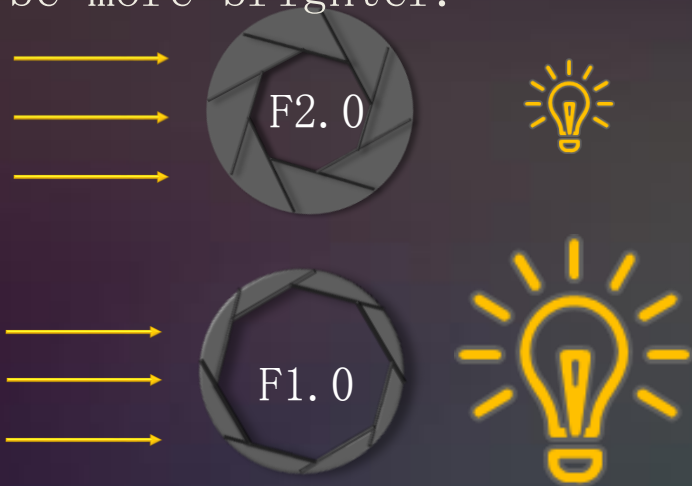
High-sensitivity

Excellent performance and clear imaging in ultra low-light environment.

Camera • Advanced

lens More light, brighter images, and balanced exposure.

F1.0 super aperture
lets more light into the lens so that image can be more brighter.



The amount of light entering aperture increased 4X

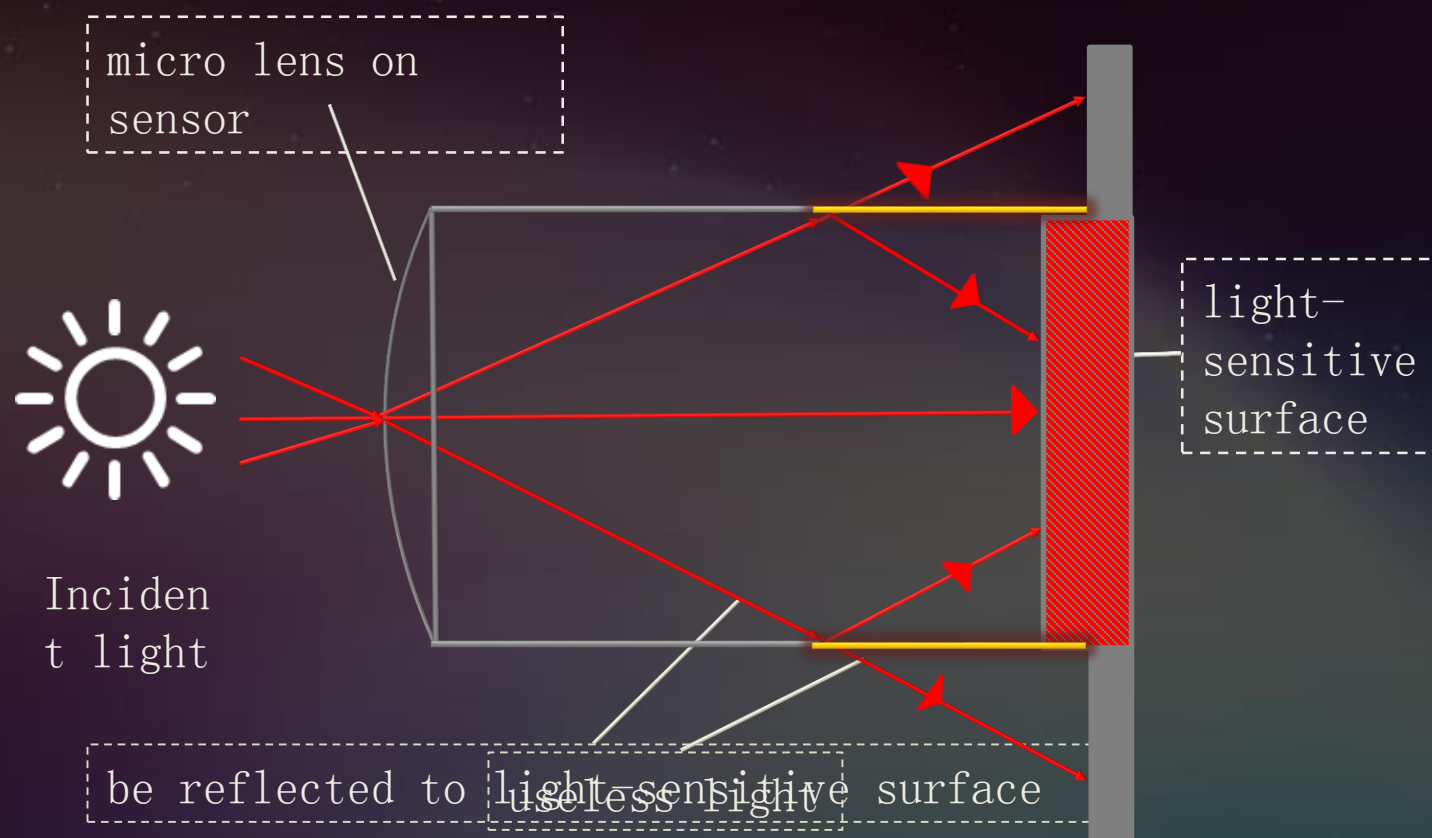
BBAR coating & ED Optical glass

- The Broad-Band Anti-Reflection coating helps reduce ghost image.
- The Extra-Low Dispersion optical glass can efficiently keep image's sharpness and color saturation.



Camera • High-

Excellent performance and clear imaging in ultra low-light environment.



Sensor has extraordinary photovoltaic conversion efficiency. It adopts **Smart FSI technique**—new light collection structure that can greatly improve the utilization of light.

Further more, **self-adaptive 3D DNR algorithm** on ISP guarantees imaging quality.

Common Sensor vs Smart FSI

24/7 Chromatic Image

24-hour performance



Supplement Light
Supplement Light
Supplement Light

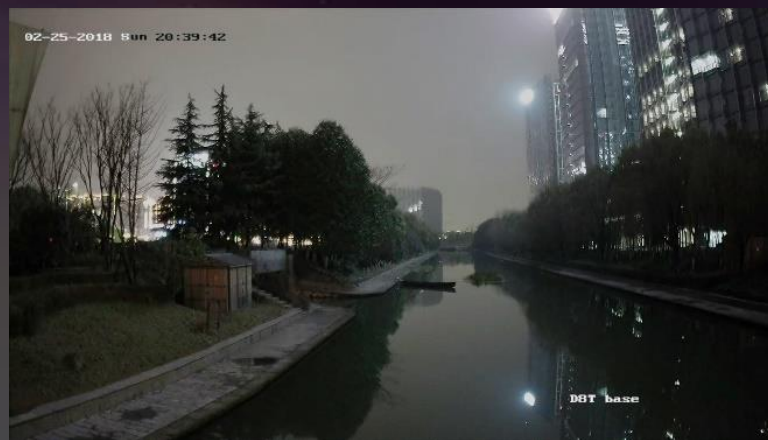


24/7 Chromatic Image

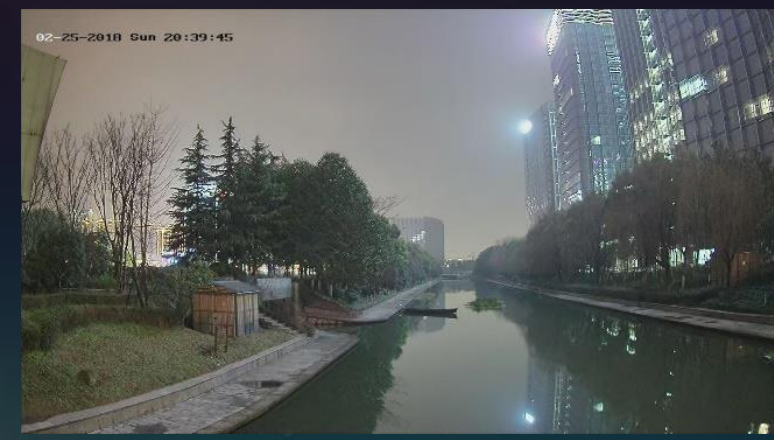
Comparison test at 20:30, without opening supplement light



Conventional HD1080p
Camera



Ultra low light HD1080p
Camera



ColorVu Turbo HD
Camera

24/7 Chromatic Image

Comparison test at 20:00, without opening supplement
light



Conventional HD1080p
Camera



Ultra low light HD1080p
Camera



ColorVu Turbo HD
Camera

Camera • Friendly Lighting

In rare cases, when there is no light source like star light or street light, the warm supplement light will start work to guarantee colorful imaging.

Common
supplemental
lighting



Warm
supplement
light with
anti-glare
diffusion
lens

Environmental-friendly, soft and warm supplemental
lighting

24/7 Chromatic Image

Comparison test in a darkroom (0 lux) , with supplement light opening



Conventional HD1080p
Camera



Ultra low light HD1080p
Camera



**ColorVu Turbo HD
Camera**

✓ soft and warm
supplemental lighting

Turbo HD 5.0

Showcase Turbo HD DVRs

iDS-7204HQHI-K1/2S

iDS-7208/16HQHI-K1/4S

iDS-7204/08HUHI-K1/4S



iDS-7208/16HQHI-K2/4S

iDS-7204/08HUHI-K2/4S



AcuSense Turbo HD DVRs

iDS-7316HUHI-K4/16S



iDS-9016HUHI-K8/16S



Turbo HD 5.0

Showcase Turbo HD Cameras

DS-2CE12DFT



DS-2CE72DFT



DS-2CE10DFT



Features

- 2MP
- IP67
- 0 lux turn to supplement light

AcuSense
Turbo HD
DVR

Turbo HD
5.0

ColorVu
Turbo HD
Camera

More Than What You See
