



# AcuSense DVR 설정 가이드



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설치 권장 사항

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설정 가이드

제품 소개

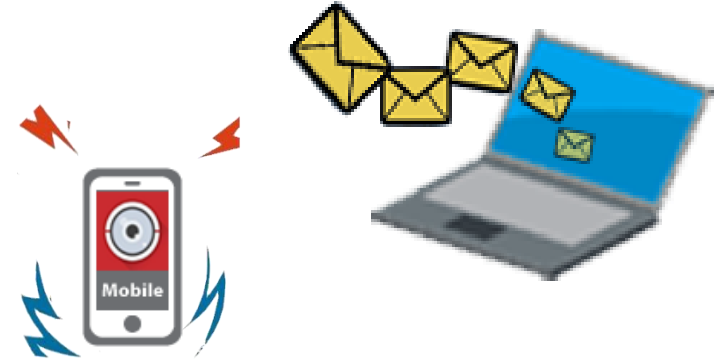
PART  
1



- 일반적인 감시 카메라는 전적으로 카메라에 의존합니다.
- 허위 경보가 존재합니다.



허위 경보로 자주 울리는 것은  
최종 사용자에게 항상 문제가  
됩니다.

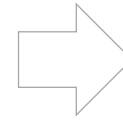


- AcuSense DVR 허위 경보를 90% 까지 필터링 할 수 있습니다.

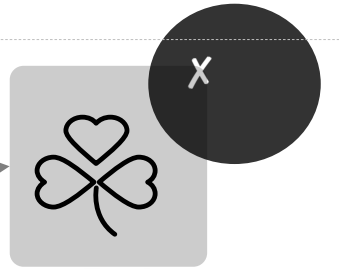
# 제품 모델 & 하이라이트

# 주요 제품

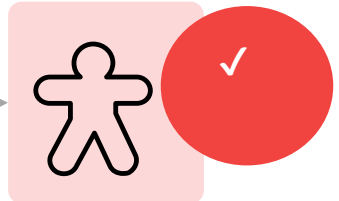
- iDS-7204HQHI-K1/2S
- iDS-7208/16HQHI-K1/4S
- iDS-7208/16HQHI-K2/4S
- ~~iDS-7204/08HUHI-K1/4S~~
- ~~iDS-9016HUHI-K8/16S~~
- iDS-7204/08HUHI-K2/4S



AcuSense  
Technology



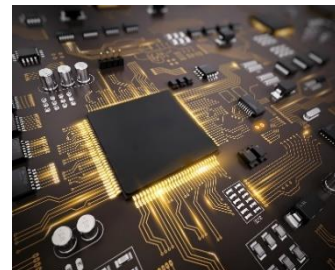
필터링



알람!



알람!



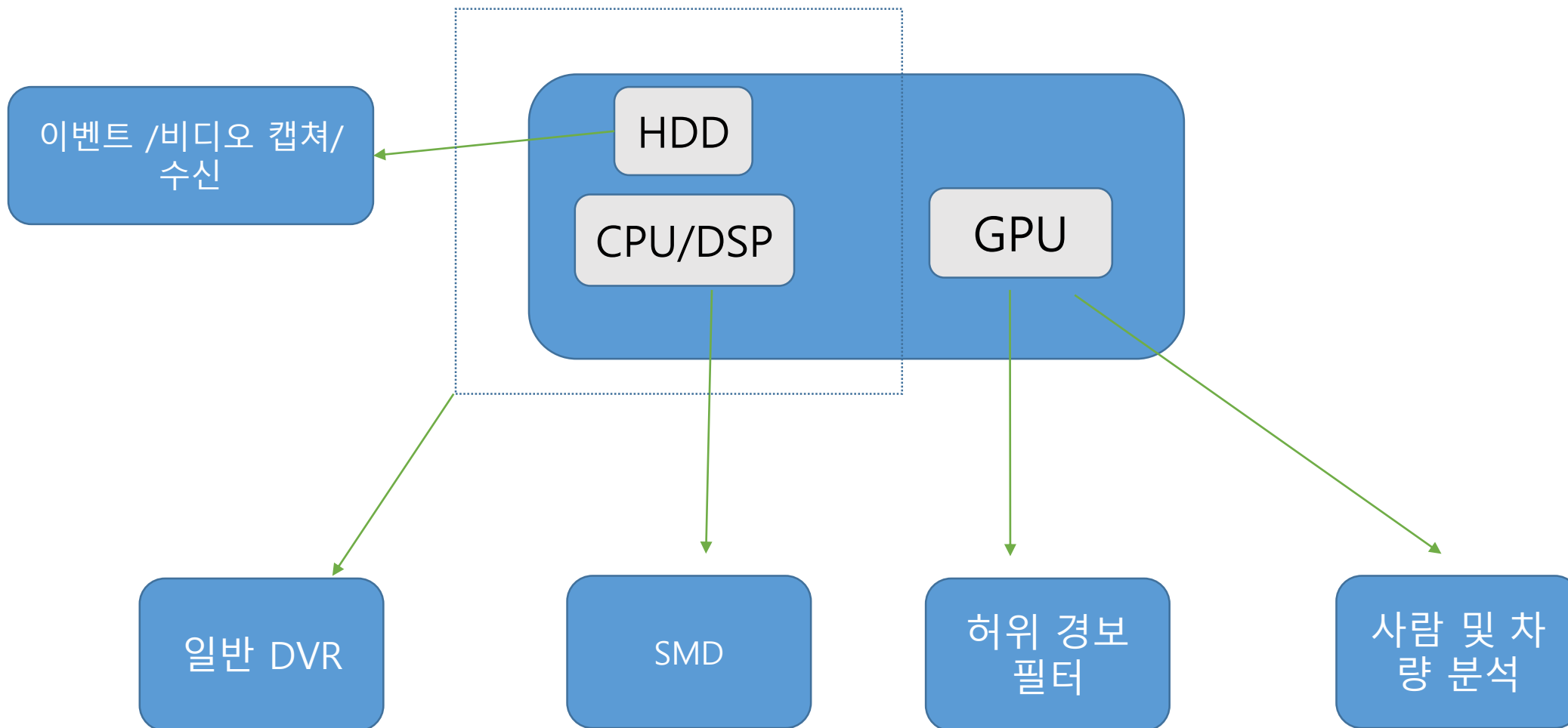
분리된 실행형 칩1개



Hikvision 딥러닝 알고리즘

# 기본 지식

## Acusense DVR



# 설치 권장 사항

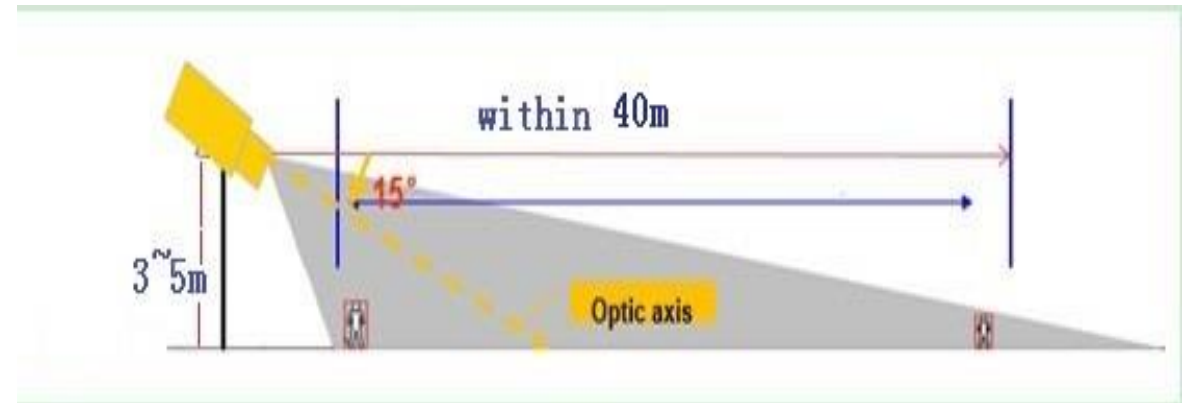
PART  
2



## 설치 요구 사항



- 카메라 높이 3~5m 정도 설치
- 장애물이 있는 경우 설치 높이는 장애물 보다 높게
- 기울기와 수평선 사이의 각도는 15° 상이어야 함.
- 감지 거리는 40m 이내 권장





# 부적합 시나리오

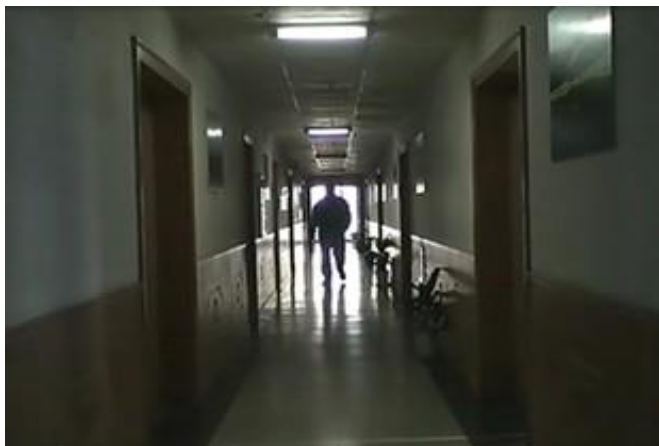
HIKVISION



낮은 조도



장애물



역광



혼잡한 장면

설정 가이드

iDS-7200HQ/HUHI-K/S

PART  
3

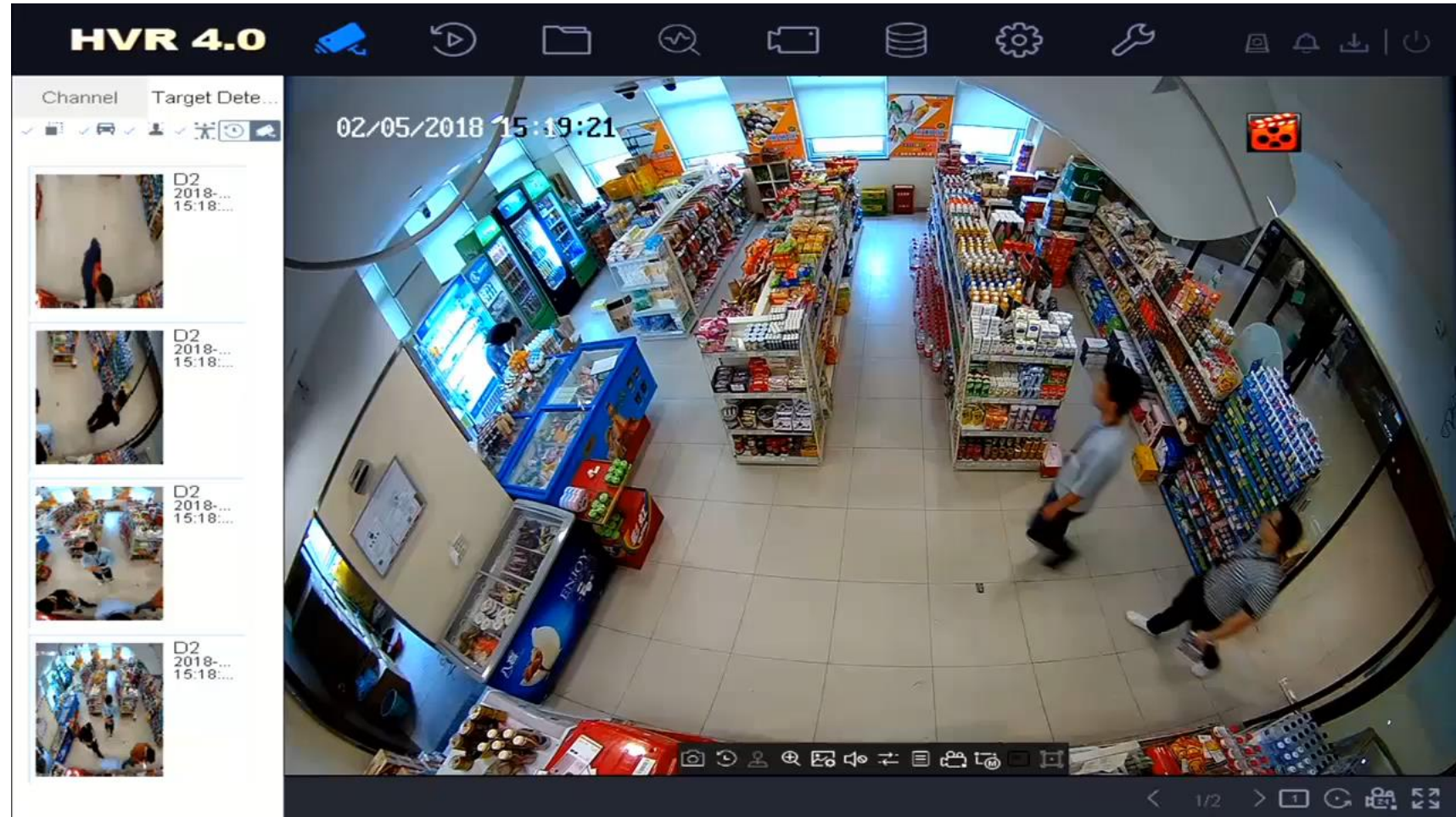


# 실시간 화면



## 대상 검색 구성

- 대상 탐지 탭에 실시간 경보
- 즉시 영상 재생



# 허위 경보 알람



## 스마트 이벤트 설정

- 잘못된 사람 또는 차량  
허위 경보 필터링

The screenshot displays the HVR 4.0 Smart Event configuration interface. The left sidebar shows the 'Smart Event' menu selected. The main panel is titled 'Camera [A1] Camera 01' and includes a 'Save VCA Picture' checkbox. A row of event type buttons is shown, with 'Line Crossing' selected. Below this, there are buttons for 'Audio Exce...', 'Defocus', 'Sudden Sc...', and 'PIR Alarm'. A red box highlights the 'Target Detection' section, which includes 'Target Detec...', 'Hu...', and 'Ve...' options. The 'Area Settings' tab is active, showing a live camera feed with a blue line and points A and B. To the right of the feed are controls for 'Arming Area' (set to 1), 'Direction' (set to A<->B), and 'Sensitivity' (set to 50). Buttons for 'Stop Dra...', 'Clear', 'Max. Size', and 'Min. Size' are located below the feed, and an 'Apply' button is at the bottom.

# 스마트 검색



## 스마트 검색 설정

- 빠른 대상 검색, 사람 및 차량과 사진, 영상

The screenshot displays the HVR 4.0 software interface. At the top, there is a dark navigation bar with the text "HVR 4.0" and several icons for camera, play, folder, search, video, database, settings, and tools. Below this is a sidebar menu with options: "Smart Analysis", "Smart Search" (with a dropdown arrow), "Human Body D..." (highlighted in orange), "Vehicle Search", "Counting", and "Heat Map". The main area is titled "Search by Appearance" and contains three search criteria: "Channel" set to "[All] Camera", "Time Segment" set to "Today" with a date range from "2018-06-14 00:00" to "2018-06-14 23:59", and "Event Type" set to "Human Body Alarm". A blue "Start Search" button is located in the bottom right corner.

# 파일 관리



## 허위 경보 알람 검색

- 필터링 된 허위 경보 확인

The screenshot displays the HVR 4.0 software interface. At the top, there is a navigation bar with the title "HVR 4.0" and several icons including a folder, a play button, a magnifying glass, a camera, a database, a gear, a wrench, and system controls. Below the navigation bar, there is a search filter section. On the left, there are three tabs: "All Files" (selected), "Human Files", and "Vehicle Files". The main search area contains the following filters:

- Time: Custom (dropdown), 2018-06-14 00:00:00 (calendar), 2018-06-14 23:59:59 (calendar)
- Camera: [All] Camera (dropdown)
- Tag: (empty text input)
- Event Type: None (dropdown)
- File Status: All (dropdown)

Below the filters, there is a "Show M..." dropdown menu. At the bottom of the interface, there are three buttons: "Empty Conditions", "Search" (highlighted in blue), and "Save".

# 향상된 IP 모드



- 기능을 활성화
- 최대 수의 IPC 추가 가능
- 아날로그 채널 이벤트 기능.

**HVR 4.0**

**General**

- Language: English
- Time Zone: (GMT+08:00) Be
- Date Format: DD-MM-YYYY
- System Date: 14-06-2018
- System Time: 14:08:15
- Device Name: Embedded Net
- Device No.: 255
- Auto Log out: Never
- Menu Output: Auto
- Enable Wizard:
- Enable Password:

VGA/HDMI Resolution: 1920\*1080/60HZ

Mouse Pointer Speed: Slow to Fast

CVBS Output Brightness: [Slider]

Output Standard: PAL

Enable DST:

DST Mode:  Auto  Manual

Start Time: Ap 1s Su 2 :00

End Time: Oc las Su 2 :00

DST Bias: 60 Minutes

Enhanced IP Mode:

Apply

# 향상된 IP 모드



- 기능 활성화시 아날로그 채널 스마트 이벤트 기능 비활성화

The screenshot shows the HVR 4.0 settings interface. The 'General' tab is selected in the left sidebar. The main content area is divided into two columns. The left column contains system information and user settings, while the right column contains display and output settings. The 'Enhanced IP Mode' checkbox is checked, indicating that the feature is active.

Setting	Value
Language	English
Time Zone	(GMT+08:00) Be
Date Format	DD-MM-YYYY
System Date	14-06-2018
System Time	14:18:52
Device Name	Embedded Net I
Device No.	255
Auto Log out	Never
Menu Outpu...	Auto
Enable Wizard	<input checked="" type="checkbox"/>
Enable Password	<input type="checkbox"/>
VGA/HDMI Resolution	1920*1080/60HZ
Mouse Pointer Speed	Slow to Fast
CVBS Output Brightness	Slider
Output Standard	PAL
Enable DST	<input type="checkbox"/>
DST Mode	Auto / Manual
Start Time	Ap 1s Su 2 :00
End Time	Oc 1as Su 2 :00
DST Bias	60 Minutes
Enhanced IP Mode	<input checked="" type="checkbox"/>



# H.265 Pro



- H.265 Pro는 H.265에 비하여 50% 가량의 저장관련으로 절약.
- H.265 Pro+ 는 H.265에 비하여 75% 가량의 저장 관련 으로 절약.
- 아날로그 채널만 가능.

The screenshot shows the HVR 4.0 interface for configuring recording parameters for Camera [A1] Camera 01. The interface is divided into a left sidebar with navigation options (Camera, Display, Privacy Mask, Encoding Para..., Recording Para..., Sub-Stream) and a main configuration area. The 'Recording Para...' option is selected and highlighted in orange. The main area displays settings for two streams: Main Stream(Continuous) and Main Stream(Event). Both streams are configured with Video & Audio, 1920\*1080(1080P) resolution, Variable bitrate type, Medium video quality, 15fps frame rate, Custom(32-6144) max bitrate mode, and 2284 Kbps max bitrate. The recommended max bitrate range is 2304~3840(Kbps) for both. The max average bitrate is 1142 Kbps. The video encoding is set to H.264, and the 'Enable H.264+' checkbox is unchecked. At the bottom, there are 'Copy to' and 'Apply' buttons.

Parameter	Main Stream(Continuous)	Main Stream(Event)
Camera	[A1] Camera 01	[A1] Camera 01
Camera Resolution	1080P25	1080P25
Encoding Parameters	Main Stream(Continuous)	Main Stream(Event)
Stream Type	Video & Audio	Video & Audio
Resolution	1920*1080(1080P)	1920*1080(1080P)
Bitrate Type	Variable	Variable
Video Quality	Medium	Medium
Frame Rate	15fps	15fps
Max. Bitrate Mode	Custom(32-6144)	Custom(32-6144)
Max. Bitrate(Kbps)	2284	2284
Max. Bitrate Range Recommended	2304~3840(Kbps)	2304~3840(Kbps)
Max. Average Bitrate(Kbps)	1142	1142
Video Encoding	H.264	H.264
Enable H.264+	<input type="checkbox"/>	<input type="checkbox"/>

# 72 및 73/90 시리즈 차이점

설정 가이드

iDS-7316HUHI-K4/16S  
iDS-9016HUHI-K8/16S

PART  
4

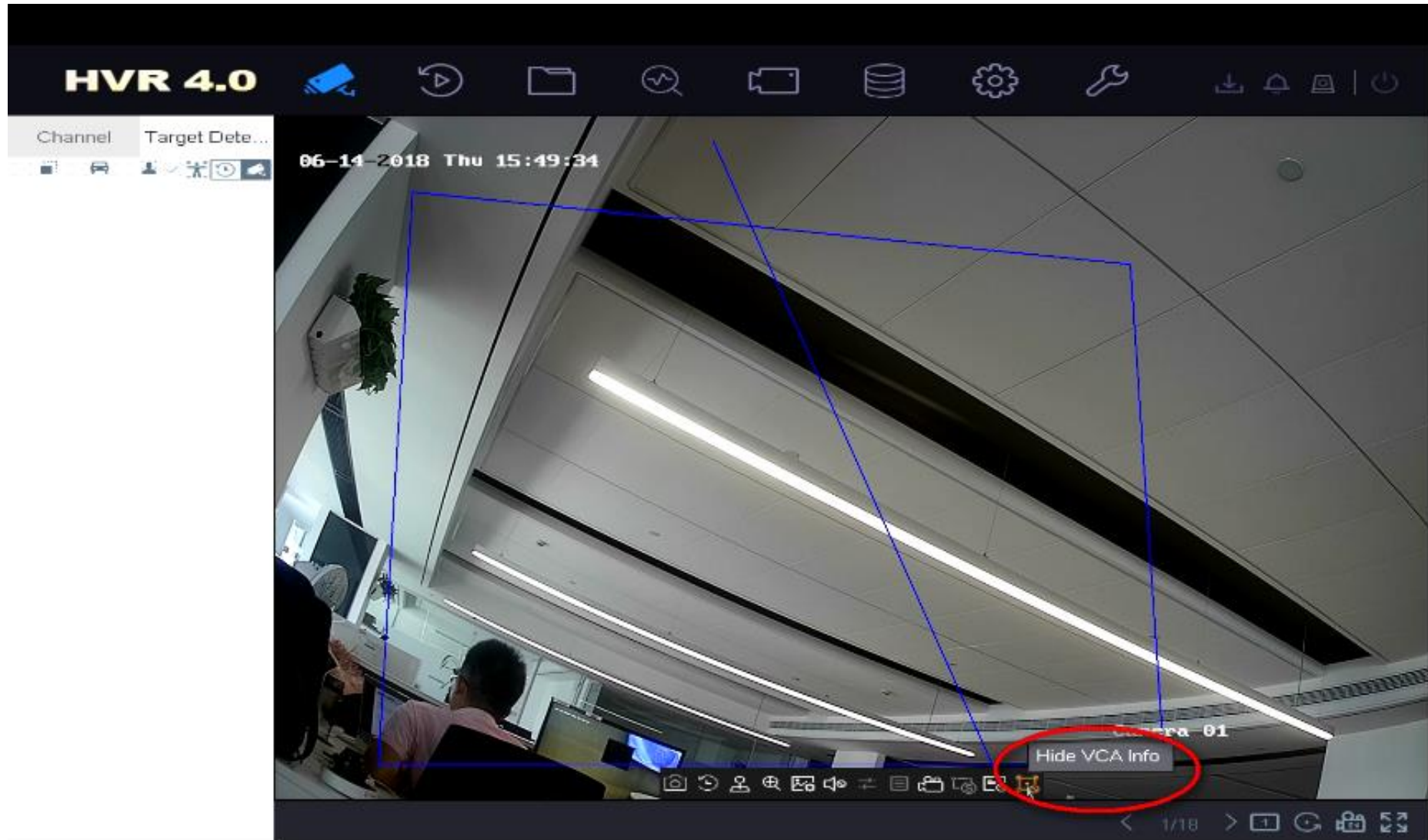


# 실시간 화면



## VCA 정보

- 아날로그 채널의 VCA 정보



# 허위 경보 필터



## 로컬 스마트 분석

- 아날로그 채널 및 IP 채널

모두에 대한 허위 경보를  
필터링 하기 위한 사람 또는  
차량 재 인식

The screenshot displays the HVR 4.0 software interface. At the top, the title 'HVR 4.0' is visible along with various system icons. The left sidebar contains a menu with categories like General, User, Network, Event, Live View, RS-232, Holiday, and POS. The 'Smart Event' category is currently selected. The main area shows the configuration for 'Line Crossing' detection. It includes a camera selection dropdown set to '[A1] Camera 01', checkboxes for 'Save VCA Picture' and 'Enable Smart Analysis', and a list of detection types such as 'Face Detec...', 'Vehicle Det...', 'Human Body', 'Line Crossing', 'Intrusion', 'Region Entr...', 'Region Exiti...', 'Unattended ...', and 'Object Re...'. Below this, there are more detection types like 'Audio Exce...', 'Defocus', 'Sudden Sc...', and 'PIR Alarm'. A section for 'Area Settings' is active, showing a video feed with a blue line drawn across it, labeled 'A' and 'B'. To the right of the video feed, there are settings for 'Arming Area' (set to 1), 'Direction' (set to A<->B), and 'Sensitivity' (set to 50 on a scale from 1 to 100). At the bottom, there are 'Draw Area', 'Clear', and 'Apply' buttons.

# 스마트 검색



## 스마트 검색 설정

- 얼굴 검색

- 그림 검색

The screenshot displays the HVR 4.0 software interface. At the top, there is a dark navigation bar with the text "HVR 4.0" and several icons representing different functions like camera, search, folder, and settings. Below this, a sidebar on the left lists various analysis tools: Smart Analysis, Smart Search (with a dropdown arrow), Face Search, Human Body D..., Vehicle Search (highlighted in orange), Counting, and Heat Map. The main area is titled "Search by Appearance" and contains several search criteria with input fields: Channel (set to "[All] Camera"), Time Segment (set to "Today" with a date range from "2018-06-14 00:00" to "2018-06-14 23:59"), Vehicle Brand (set to "All"), Vehicle Color (set to "All"), Vehicle Model (set to "All"), and License Plate... (empty). A blue "Start Search" button is located at the bottom right of the interface.

# 향상된 VCA 모드



## 향상된 VCA

- 기능 활성화시 모든 아날로그 채널에 따른 스마트 이벤트 기능 구현

The screenshot displays the HVR 4.0 settings interface. At the top, there is a navigation bar with the title 'HVR 4.0' and several icons for different functions. Below this, a sidebar on the left lists various settings categories: General (selected), User, Network, Event, Live View, RS-232, Holiday, and POS. The main area is divided into two columns of settings. The left column includes Language (English), Time Zone ((GMT+08:00) Be), Date Format (DD-MM-YYYY), System Date (14-06-2018), System Time (15:36:51), Device Name (Embedded Net C), Device No. (255), Auto Log out (Never), Menu Output (HDMI/VGA), Enable Wizard (checked), and Enable Password (checked). The right column includes VGA/HDMI Resolution (1920\*1080/60HZ), HDMI2 Resolution (1024\*768/60HZ), Mouse Pointer Speed (a slider between Slow and Fast), CVBS Output Brightness (a slider), Output Standard (PAL), Enable DST (checked), DST Mode (Auto/Manual), Start Time (Ap 1s Su 2 :00), End Time (Oc las Su 2 :00), DST Bias (60 Minutes), and Enhanced VCA Mode (checked). An 'Apply' button is located at the bottom center of the settings area.

# 향상된 VCA 모드

The screenshot shows the HVR 4.0 settings interface. At the top is a dark navigation bar with the text 'HVR 4.0' and several icons. Below this is a sidebar menu with the following items: General (selected), User, Network, Event, Live View, RS-232, Holiday, and POS. The main content area is divided into two columns of settings. The left column includes: Language (English), Time Zone ((GMT+08:00) Be), Date Format (DD-MM-YYYY), System Date (14-08-2018), System Time (15:45:36), Device Name (Embedded Net C), Device No. (255), Auto Log out (Never), Menu Output (HDMI/VGA), Enable Wizard (checked), and Enable Password (checked). The right column includes: VGA/HDMI Resolution (1920\*1080/60HZ), HDMI2 Resolution (1024\*768/60HZ), Mouse Pointer Speed (a slider between Slow and Fast), CVBS Output Brightness (a color slider), Output Standard (PAL), Enable DST (checkbox), DST Mode (Auto/Manual), Start Time (Ap 1s Su 2 :00), End Time (Oc 1as Su 2 :00), DST Bias (60 Minutes), and Enhanced VCA Mode (checked). A blue 'Apply' button is located at the bottom center of the settings area.



## 향상된 VCA

- 활성화시 전체 채널 스마트 이벤트 기능 지원

## 주요 차이점

- 라이브 화면에 VCA 정보 표출 되지 않음.
- IP채널 오버율 감소 기능 지원 안됨.
- GPU칩 2차 검색 지원 안됨.
- 사람, 차량 속성으로 검색 지원 안됨.
- 얼굴 검색 지원 안됨. (모두 안됨)
- 로컬 카운팅, 히트맵 및 POS지원 안됨.
- 향상된 VCA기능 지원 안됨.
- 로컬 스마트 분석 지원 안됨.
- 주변 감지 캡처 후 타깃 표기 지원 안됨.
- 녹화 스트림 유형 선택 불가. (듀얼 스트림 기본값)
- 73/90은 독립적으로 선택 가능



## FAQ

**Q : H.265 Pro 제품 타사 아날로그 카메라에도 적용 가능 ?**

A : 녹화기에서 인코딩 하기 때문에 카메라가 연결할 수 만 있으면 사용 가능.

**Q : H.265 Pro 로 인코딩 된 영상을 다른 플레이어로 재생이 가능한가?**

A : 스마트 265와 같이, 하이브리드 라이브러리 머지한 플레이어면 가능.

하지만 VS player을 권장합니다 ;

**Q : 이미지 업로드 하여서 검색 할 시 업로드 하는 이미지 요구 사항?**

A : 추천 : 사이즈20KB~4MB (JPG&JPEG)

**Thanks!**