

HDCVI 5.0

SMD Plus

Focus on What Really Matters

Release Models



XVR7208A-4KL-I
XVR7216A-4KL-I



XVR7104HE-4KL-I
XVR7108HE-4KL-I
XVR7116HE-4KL-I

XVR7000-4KL-I



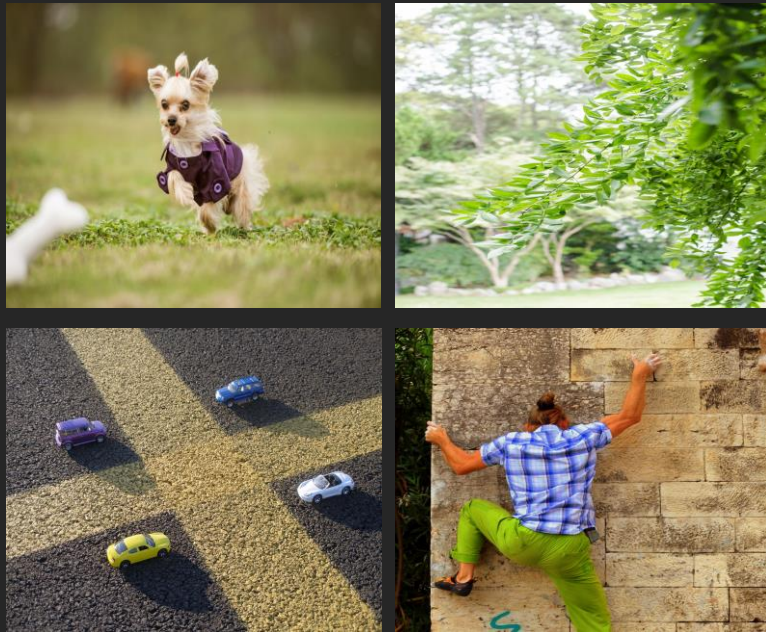
XVR5000-I

XVR5104H-I
XVR5108H-I
XVR5116H-I

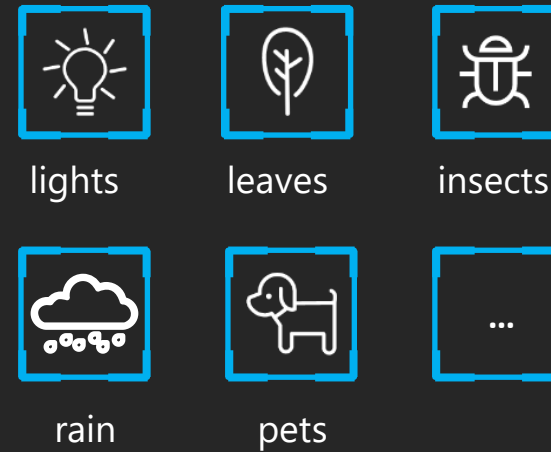
What is SMD Plus?



SMD Plus, referred to as Smart Motion Detection Plus, which is an upgrading version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm. It analyzes person and vehicle shapes based on motion detection and **send alarms only when person and vehicle intrudes.**



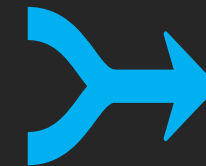
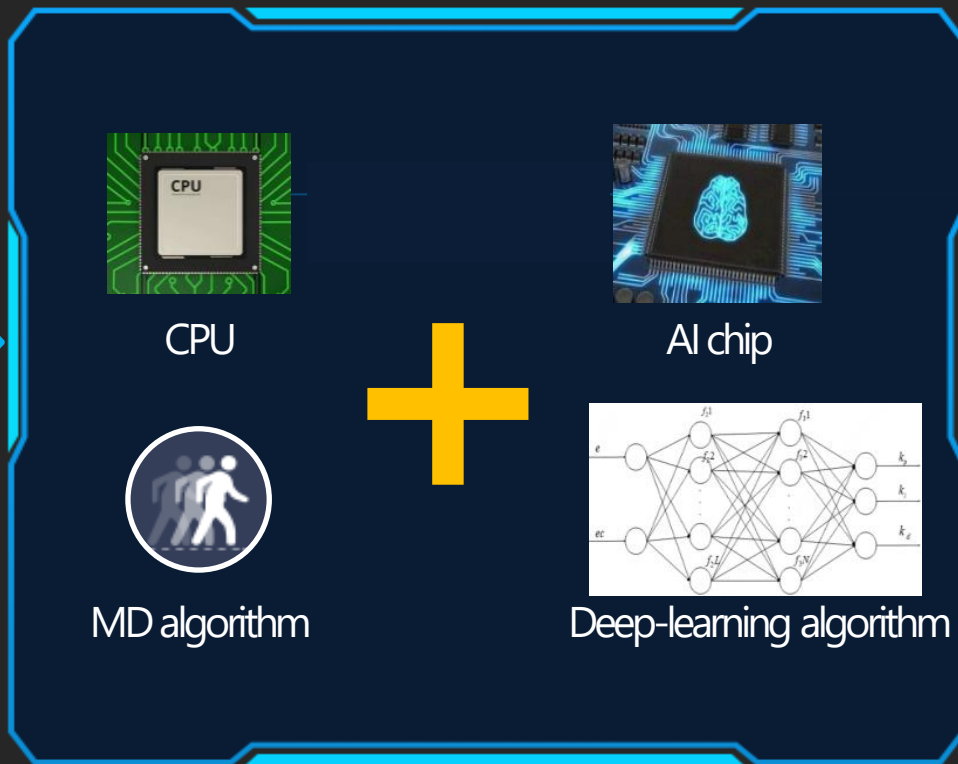
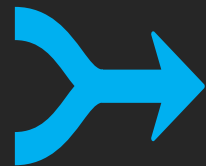
Alarm filtered



Alarm triggered



What is SMD Plus?



10X Computing Power



Independent AI chip



More complicated model



Needs less pixels to recognize



Higher accuracy



More channels



Better real-time



Vehicle/ Person Alarm

What is SMD Plus?



- Chip: independent AI chip
- Algorithm: deep learning algorithm
- Applicable to outdoor and indoor scenario
- Accuracy: **up to 95%**



- Chip: CPU
- Algorithm: self-developed
- Applicable to outdoor scenario
- Accuracy: **85%** on average



- Algorithm: MD
- Accuracy: **30%** on average

What are the benefits of SMD Plus?



**False Alarm
Filter**

**Quick Target
Search**

**Alarm
Visualization**

**Real-time
Alarm Push**

**High Cost-
efficiency**

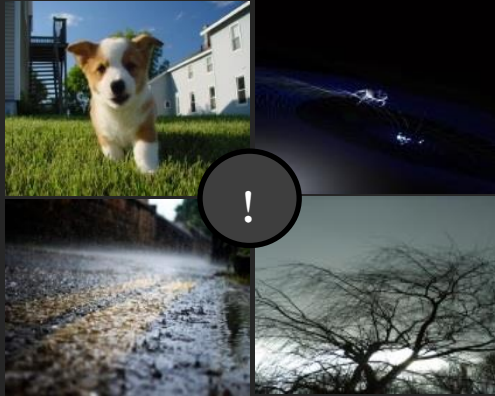
Provide more reliable alarm and efficient query!

AI-based technology greatly improves the MD accuracy and makes it easy for quick searching

False Alarm Filter



Conventional MD Effect:



Detects false alarms

Pets

Insects

Extreme Weather

Branches/Leaves



Annoying false alarm prompts!

SMD Plus Effect:



Filters out useless alarms caused by leaves, light, pets etc.



Pushes alarm when it detects **person**



Pushes alarm when it detects **vehicle**

Filter out false alarms!

Higher Accuracy



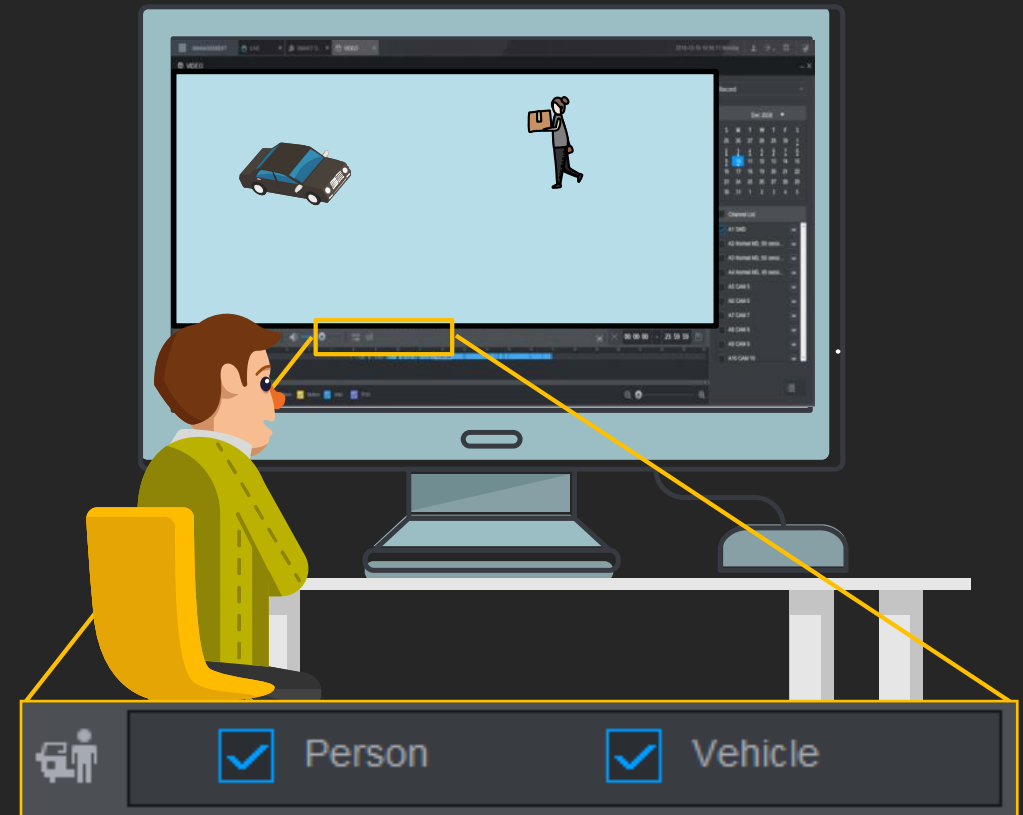
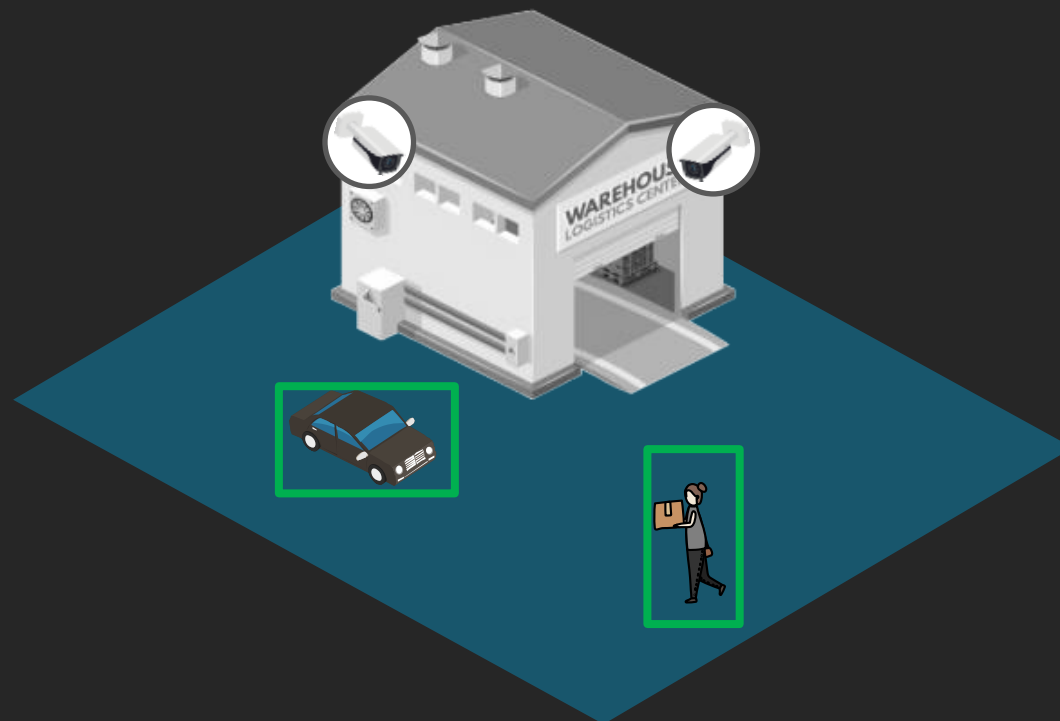
SMD Plus supports more scenarios including distant and close view, while the SMD only supports distant view.



	SMD	SMD Plus	SMD	SMD Plus	SMD	SMD Plus	SMD	SMD Plus
Scenario Description	Entrance & Exit		Back Road		Office		Device Warehouse	
Time	Daytime		Daytime		Daytime		Night	
Sensitivity	High	High	High	High	High	High	High	High
False Alarm Rate	5%	4%	3%	0%	Nonsupport	0%	Nonsupport	0%
False Negatives Rate	0%	0%	2%	0%	Nonsupport	0%	Nonsupport	5%
Accuracy Rate	95%	96%	95%	100%	Nonsupport	100%	Nonsupport	95%

Quick Target Search

Extract and classify person and vehicles from massive video data, easy for end users to trace historical information and analyze. Person & Vehicle optional for playback to achieve quick target search, saving event retrieval time.



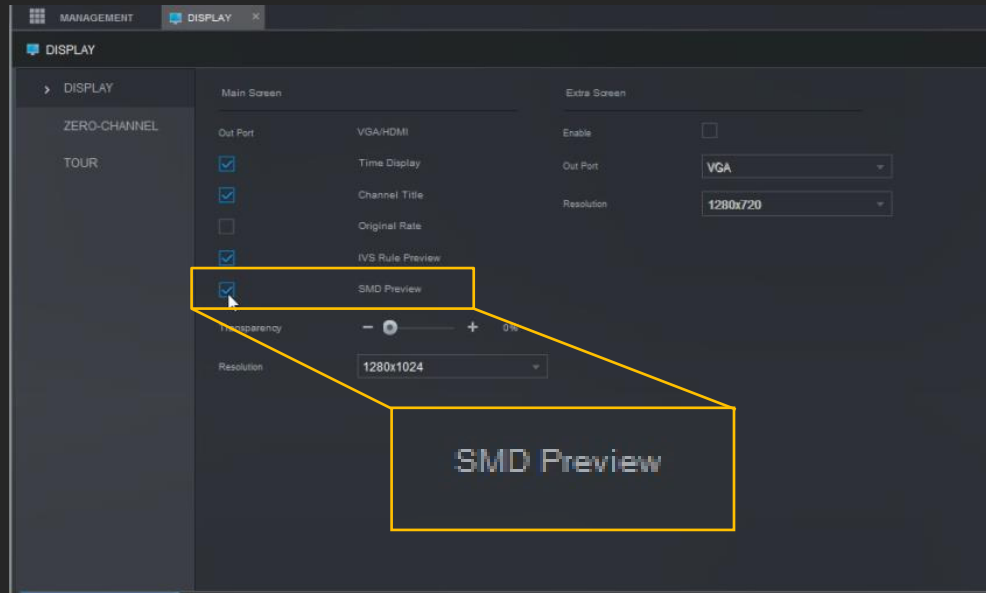
Alarm Visualization



SMD rule preview enables user to see the alarm more clearly



Real-time tracking box of SMD Plus provides more accurate tracking effect



Step1: Enable the SMD Preview



Step2: The tracking box will display when preview

DMSS Alarm Push



Newly added alarm target classification on DMSS, which shows it clearly that if there was **person or vehicle** trigger the MD alarm.



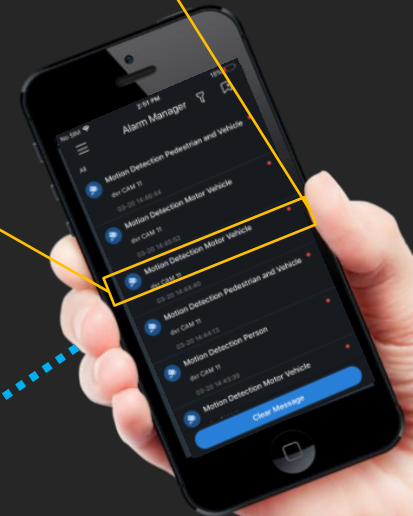
Coax/UTP



XVR5000/7000-I



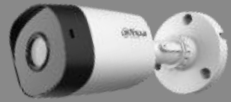
Network



High Cost-efficiency



AI system



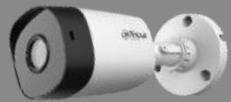
XVR-I



+



Conventional surveillance system



XVR-X



+



Upgrade



Seamless Upgrade

just change the XVR to achieve AI system upgrading



All channels SMD Plus Upgrading

upgrade from 1/2/4 channels to all channels

Where to use SMD Plus?



- SMD Plus + Normal HDCVI Camera

- SMD Plus + Active Deterrence Camera



Estate



Villa



Retail



Banking



Gambling



Museum

Application

Values

- SMD reduces false alarms of non-human objects and decreases overreaction
- Real-time alarm push provides actual scene with video
- Easy to check what happened after the event

Recommend Products



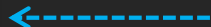
HAC-2802 Series



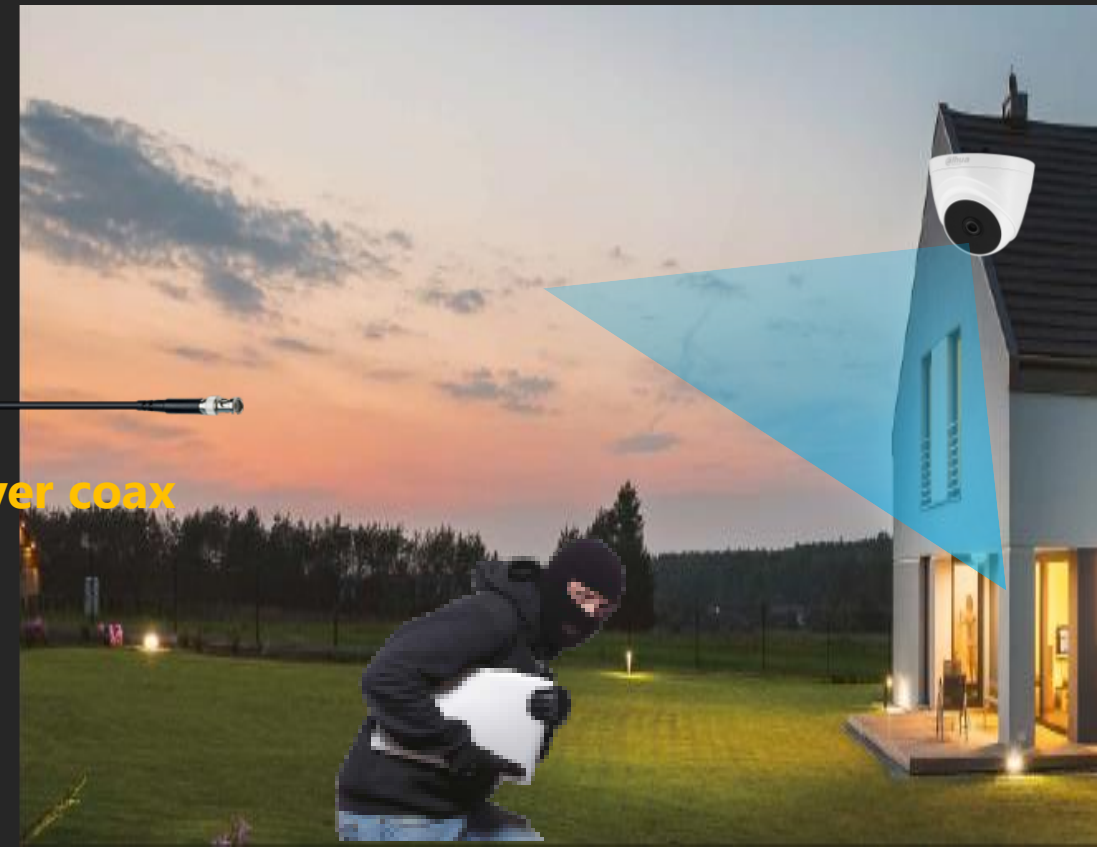
HAC-1230 Series



XVR7/5-I Series



Alarm over coax



User can verify alarm with video

Application

Values

- SMD reduces false alarms of non-human objects and decreases overreaction
- Camera warns off intruders with white light and siren
- Easy to check what happened after the event

Recommend Products



HAC-2241 Series
HAC-1500 Series



HAC-1500-LED Series
HAC-1200-LED Series



XVR7/5-I Series



[SOCIAL SECURITY IS OUR RESPONSIBILITY]

Enabling a Safer Society and Smarter Living!

