CONTENTS

01 Network Cameras

- Network Camera Product Map

- ColorVu Technology

- AcuSense Technology

- Value Series

- Solar-powered Security Camera Setups

Type D Network Camera Product Map

HIKVISION

ColorVu + AcuSense

EasyIP 4.0
with ColorVu

AcuSense

EasyIP 4.0
with AcuSense

2/4/**8** MP
2XX7G2
Live guard

AcuSense

EasyIP 3.0

2/4/6/8 MP
2XX6G2
Live guard

Powered by
Dark Fighter

EasyIP 2.0+
with AcuSense

2/4/6/8 MP
2XX5

Powered by
Dark Fighter

EasyIP 2.0+

2/4/6/8 MP
2XX3G2

EasyIP 1.0+

2/4/6/8 MP
2XX3G0/G1

1 Series

2 MP
2X21
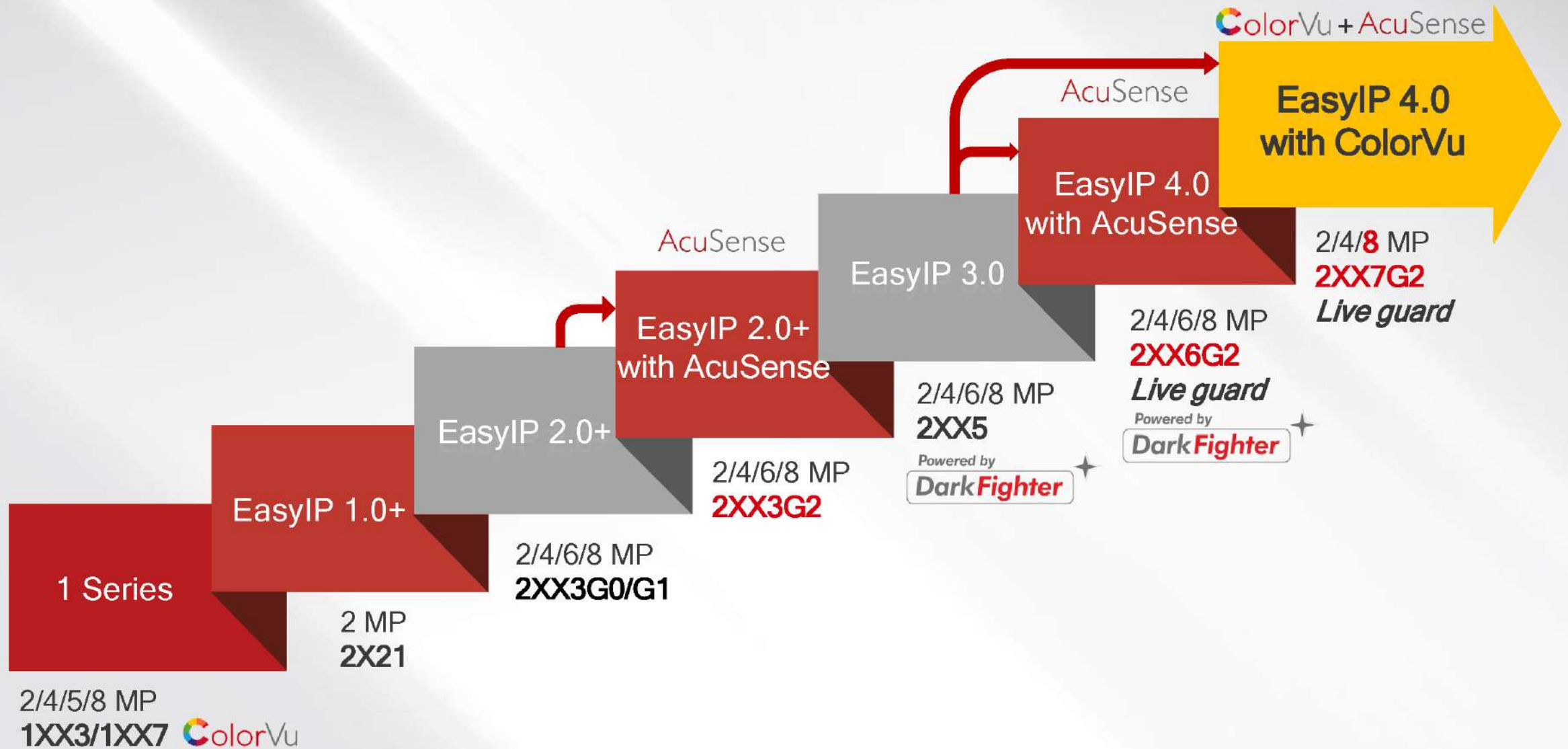
2/4/5/8 MP
1XX3/1XX7   ColorVu

ColorVu + Panoramic

See wider and see more

Conventional security solution for reducing blind zones: multiple cameras
One camera with wider field of view reduces blind zone with higher efficiency

ColorVu + Panoramic

One camera can cover the whole hall and break through the limit of field of view.

180° PanoVu

ColorVu + Panoramic

Pioneering Image Fusion Technologies

Dual lens, fusion image

pixel-level image
registration
technology

1

2 Hikvision image
fusion algorithm

180°panoramic view, seamless image

Left lens image

Right lens image

Seamless fusion image
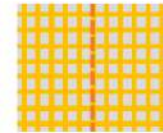
Pioneering Image Fusion Technologies

Pixel-level image registration – graphic processing of fusion image

Conventional line-level image registration

🙁 Causes inevitable loss of image, twisting or distortion in the fusion image.

Pioneering pixel-level image registration

🙂 Avoid image loss, twisting or distortion in the whole fusion image.

Stage 1 - Stitching of two videos in graphics without color processing - done

Stage 2 - Fusion of color performance in two pictures - not started

* The fusion images shown in this page only runs the image registration technology without processing of color performance, which are not the final fusion performance of panoramic cameras with ColorVu.

Pioneering Image Fusion Technologies

Hikvision Image Fusion Algorithm - color and brightness processing of fusion image

Darker   Brighter   VS

Stage 1 Stitching of two videos in graphics without color processing - done

Stage 2 - Fusion of color performance in two pictures - done

🙁 Conventional image fusion algorithm

Two cameras are in different lighting conditions, providing different brightness and color rendition performance with obvious seam

🙂 **Hikvision image fusion algorithm**

Hikvision's pioneering image fusion algorithm can process the different lighting conditions of two cameras, providing smooth and seamless fusion performance.

HIKVISION

Panoramic Cameras with ColorVu

- 5120 × 1440 UHD 4K resolution

- 0.0005 Lux @ F1.0 **ColorVu** Technology

- 4 mm x 2 fixed focal lens, 180° FOV

- AcuSense technology **AcuSense** Technology

- 130 dB WDR

- IP67

- Live Guard

DS-2CD2387G2P-LSU/SL
DS-2CD2T87G2P-LSU/SL

Upcoming Products

Panoramic Cameras with ColorVu

6 MP: 3632 x 1632 @ 20 fps
4 MP: 3040 x 1368 @ 25/24 fps

0.0005 Lux @ F1.0

ColorVu
Technology

Dual lens, 180° FOV

AcuSense technology

AcuSense
Technology

130 dB WDR

IP67

Live Guard

DS-2CD2367G2P-LSU/SL
DS-2CD2347G2P-LSU/SL
DS-2CD2T67G2P-LSU/SL
DS-2CD2T47G2P-LSU/SL

Release: Jun. 2022

HIKVISION

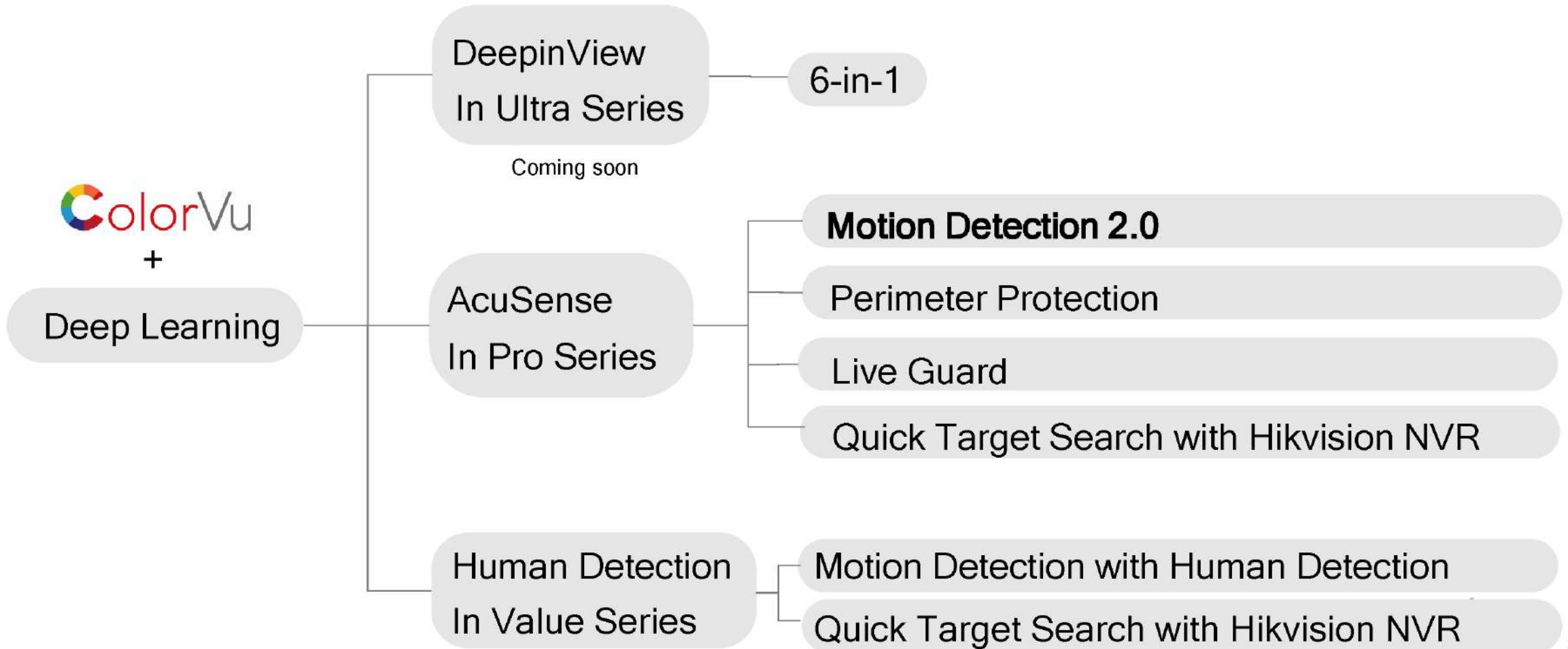# ColorVu + Panoramic

Application Scenarios

Parking lot

Park

Road

Plantation

Stadium

Intersection

ColorVu + Deep Learning

Smarter detection around the clock

ColorVu
+
Deep Learning

DeepinView
In Ultra Series

Coming soon

— 6-in-1

AcuSense
In Pro Series

- **Motion Detection 2.0**
- Perimeter Protection
- Live Guard
- Quick Target Search with Hikvision NVR

Human Detection
In Value Series

- Motion Detection with Human Detection
- Quick Target Search with Hikvision NVR

ColorVu + Deep Learning

Quick Target Search with Hikvision NVR with AcuSense technology
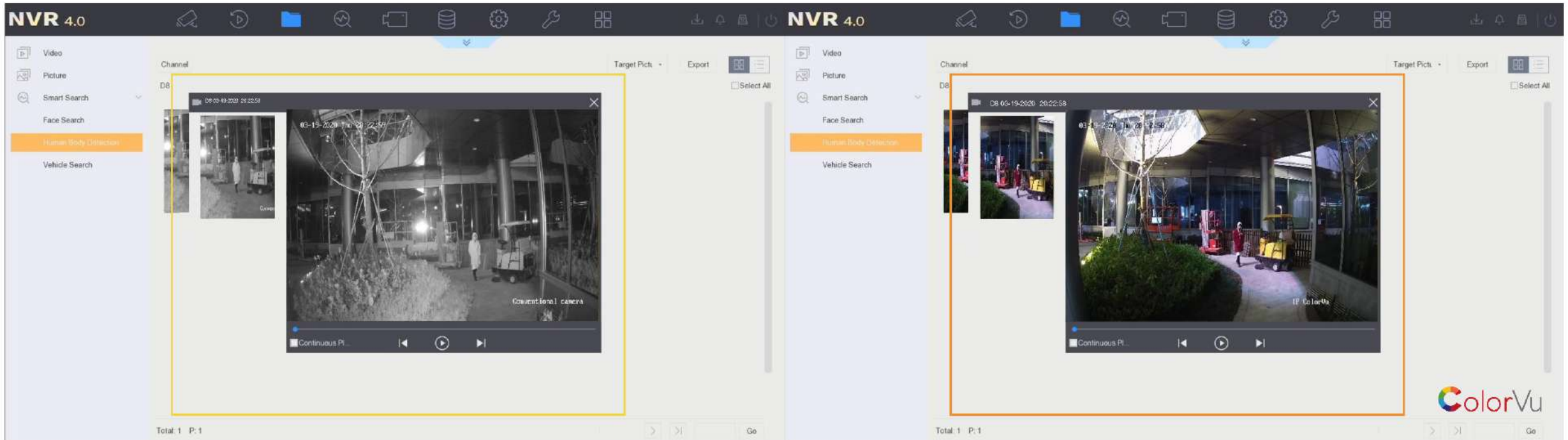
Searching result of conventional camera -

Black and white targets

Searching result of camera with ColorVu -

Colorful targets

ColorVu+ Live Guard

24/7 colorful imaging

ColorVu

Focusing on human and vehicle targets

AcuSense

Real-time alerts

Strobe light and audio alarm

Application of Live Guard in Residential Market

IPC

+

PIR detector

+

Strobe&Siren

+

Speaker

=

ColorVu+ Live Guard

ColorVu + 4K

4K powered by DarkFighter

4K ColorVu

4K Cameras with ColorVu

- **1/1.2"** sensor, 0.0005 lux @ F1.0

- AcuSense

- 4K, 2.8/4/6 mm

- 130 dB WDR

- -U: built-in mic

- IP67, with supplemental light

DS-2CD2087G2-L(U)
DS-2CD2387G2-L(U)
DS-2CD2T87G2-L
DS-2CD2387G2-LSU/SL
DS-2CD2T87G2-LSU/SL

Upcoming Products
ColorVu + Zoom

**2.8 – 12 mm VF lens
@ F1.0 Fixed Aperture**

0.0005 lux

AcuSense

Supporting human and vehicle classifcation.

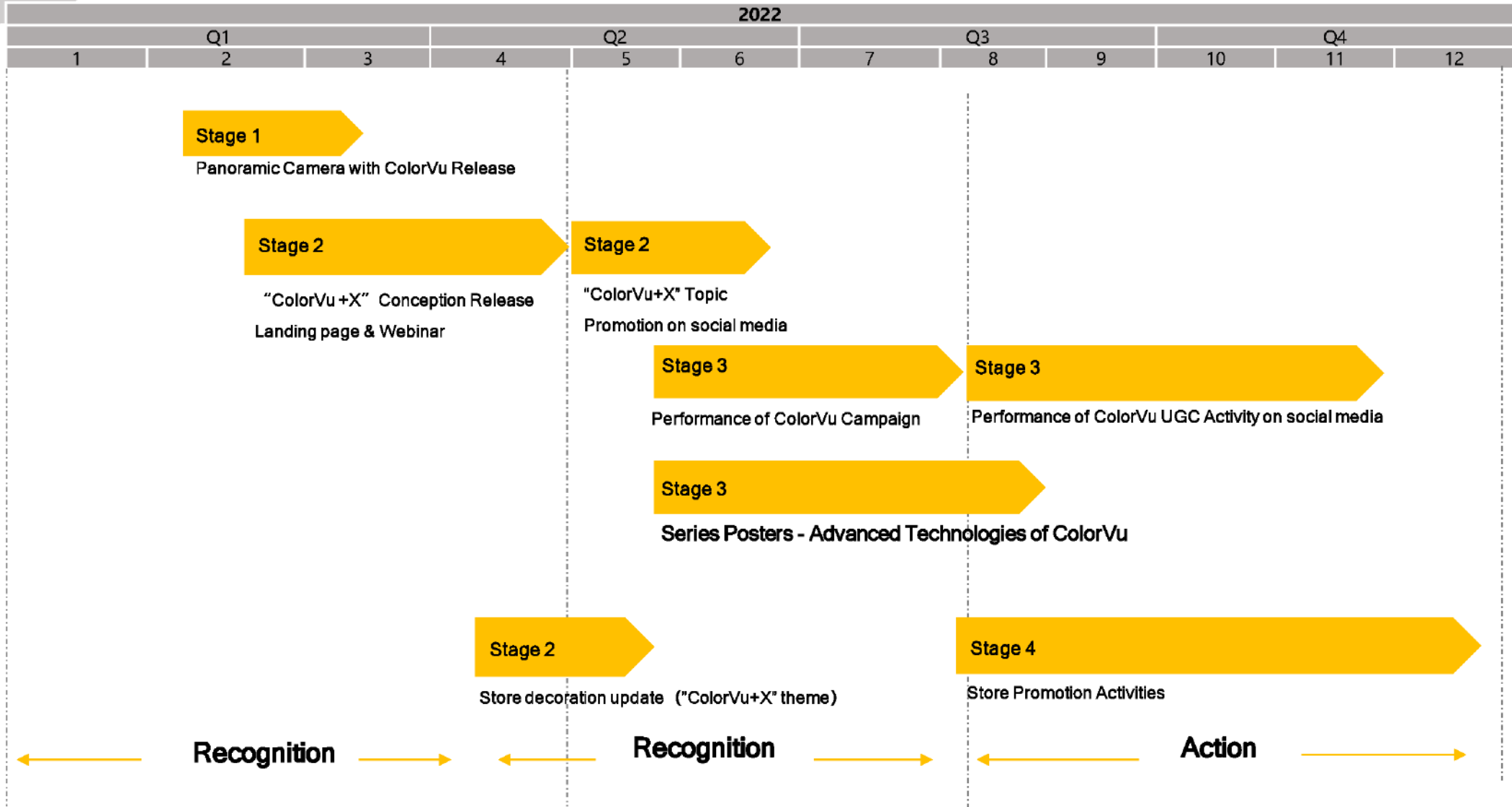**HD** 4 MP

130 dB WDR

DS-2CD2647G2**T**-LZS
DS-2CD2747G2**T**-LZS

IP67, IK10

**T: pigtail connection
Release: 2022.7**

HIKVISION

ColorVu+X Campaign

2022

Q1			Q2			Q3			Q4		
1	2	3	4	5	6	7	8	9	10	11	12

Stage 1

Panoramic Camera with ColorVu Release

Stage 2

"ColorVu +X" Conception Release

Landing page & Webinar

Stage 2

"ColorVu+X" Topic

Promotion on social media

Stage 3

Performance of ColorVu Campaign

Stage 3

Performance of ColorVu UGC Activity on social media

Stage 3

Series Posters - Advanced Technologies of ColorVu

Stage 2

Store decoration update ("ColorVu+X" theme)

Stage 4

Store Promotion Activities

Recognition ← → Recognition ← → Action ← →

Pro Series with ColorVu

Product Showcase – EasyIP 4.0 with ColorVu

HIKVISION

2/4/8 MP

DS-2CD2087G2-L(U)
DS-2CD2047G2-L(U)
DS-2CD2027G2-L(U)

DS-2CD2147G2-L(SU)
DS-2CD2147G2(-SU)
DS-2CD2127G2(-SU)

DS-2CD2387G2-L(U)
DS-2CD2347G2-L(U)
DS-2CD2327G2-L(U)

DS-2CD2527G2-LS
DS-2CD2547G2-LS

DS-2CD2T87G2-L
DS-2CD2T47G2-L
DS-2CD2T27G2-L

DS-2CD2647G2-LZS

DS-2CD2747G2-LZS

Live guard

Panoramic

DS-2CD2047G2-LU/SL

DS-2CD2347G2-LSU/SL
DS-2CD2387G2-LSU/SL

DS-2CD2T47G2-LSU/SL
DS-2CD2T87G2-LSU/SL

DS-2CD2387G2P-LSU/SL

DS-2CD2T87G2P-LSU/SL

FOCUS and **ACT**
Pay Attention to
Human and *Vehicle Events*

AcuSense Technology

HIKVISION

Motion Detection 2.0

Perimeter Protection

Quick Target Search

Live Guard

To build an system enabled by AcuSense

1

Camera with AcuSense + **Conventional NVR** + **Hik-Connect**

- **All channels** for human and vehicle classification by camera
- Live guard: strobe light and audio alarm protection (optional)
- **Quick target search**
- Hik-Connect notification pushing

2

Camera with AcuSense / **Conventional IP Camera** + **NVR with AcuSense** + **Hik-Connect**

- **Flexible channels** for human and vehicle detection by camera with AcuSense and NVR in key spots
- Live guard: Strobe light and audio alarm protection (optional)
- **Quick target search** Hik-Connect notification pushing

3

Conventional IP Camera + **NVR with AcuSense** + **Hik-Connect**

- **4 channels** for human and vehicle detection by NVR
- **Quick target search**
- Hik-Connect notification pushing

4

Analog Camera + **DVR with AcuSense** + **Hik-Connect**

- **All channels** for human and vehicle detection by DVR (motion 2.0)
- Strobe light and audio alarm protection (optional)
- Quick target search
- Hik-Connect notification pushing

Live Guard – Strobe light and audio alarm respond to security threats proactively, in real time

When a human or vehicle target is detected, triggering a VCA event, the strobe light and audio alarm works instantly to warn the trespasser off.

"Warning! This is a restricted area. Please keep away!"

Differences between Cameras with AcuSense Technology

Features	2XX3G2	2XX6G2 (C)	2XX7G2 (C)
Main Feature	Conventional	Powered by DarkFighter	ColorVu
Resolution	2/4/6/8 MP	2/4/6/8 MP	2/4/8 MP
Max. Frame Rate	2 MP @ 25/30 fps 4 MP @ 25/30 fps 6 MP @ 20 fps 8 MP @ 20 fps	2 MP @ 25/30 fps 4 MP @ 25/30 fps 6 MP @ 25/30 fps 8 MP @ 25/24 fps	2 MP @ 25/30 fps 4 MP @ 25/30 fps 8 MP @ 25/24 fps
Low Illumination Levels	0.005 Lux @ F1.6	2 MP: 0.002 @ F1.4 4 MP: 0.003 @ F1.4 6 MP: 0.003 @ F1.6 8 MP: 0.003 @ F1.6	0.0005 Lux @ F1.0
Functions with AcuSense Technology	Motion Detection 2.0 Intrusion/Line Crossing	Motion Detection 2.0 Intrusion/ Line Crossing /Region Entrance/Exiting	Motion Detection 2.0 Intrusion/ Line Crossing /Region Entrance/Exiting
Face Function	Face Detection	Face Capture	Face Capture
Camera Forms	20/21/23/24/25/2T/2E/26/27/2H	20/21/23/24/25/2T/26/27/2H	20/21/23/25/2T/26/27

Anti-Corrosion Protection Levels

Level	Camera Types	Description
Top-level protection		Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection		Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection		Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

Product Showcase
EasyIP 4.0 with AcuSense

Network Cameras with AcuSense

20 Series Mini Bullet

DS-2CD2086G2-I (U)
DS-2CD2066G2-I (U)
DS-2CD2046G2-I (U)
DS-2CD2026G2-I (U)

21 Series Dome

DS-2CD2186G2-I (SU)
DS-2CD2166G2-I (SU)
DS-2CD2146G2-I (SU)
DS-2CD2126G2-I (SU)

23 Series Turret

DS-2CD2386G2-I (U)
DS-2CD2366G2-I (U)
DS-2CD2346G2-I (U)
DS-2CD2326G2-I (U)

24 Series Cube

DS-2CD2466G2-I
DS-2CD2446G2-I
DS-2CD2426G2-I

2T Series Bullet

DS-2CD2T86G2-2I/4I
DS-2CD2T66G2-2I/4I
DS-2CD2T46G2-2I/4I
DS-2CD2T26G2-2I/4I
DS-2CD2T46G2-4IY
DS-2CD2T86G2-4IY

26 Series VF Bullet

DS-2CD2686G2-IZS
DS-2CD2666G2-IZS
DS-2CD2646G2-IZS
DS-2CD2626G2-IZS
DS-2CD2646G2T-IZSY
DS-2CD2686G2T-IZSY

NEMA 4X

27 Series VF Dome

DS-2CD2786G2-IZS
DS-2CD2766G2-IZS
DS-2CD2746G2-IZS
DS-2CD2726G2-IZS

Live Guard Network Cameras with AcuSense

20 Series Mini Bullet

DS-2CD2086G2-IU/SL
DS-2CD2066G2-IU/SL
DS-2CD2046G2-IU/SL
DS-2CD2026G2-IU/SL

23 Series Turret

DS-2CD2386G2-ISU/SL
DS-2CD2366G2-ISU/SL
DS-2CD2346G2-ISU/SL
DS-2CD2326G2-ISU/SL

2T Series Bullet

DS-2CD2T86G2-ISU/SL
DS-2CD2T66G2-ISU/SL
DS-2CD2T46G2-ISU/SL
DS-2CD2T26G2-ISU/SL

26 Series VF Bullet

DS-2CD2686G2-IZSU/SL
DS-2CD2666G2-IZSU/SL
DS-2CD2646G2-IZSU/SL
DS-2CD2626G2-IZSU/SL

25 Series Dome

DS-2CD2586G2-I(S)
DS-2CD2566G2-I(S)
DS-2CD2546G2-I(S)
DS-2CD2526G2-I(S)

2H Series VF Turret

DS-2CD2H86G2-IZS
DS-2CD2H66G2-IZS
DS-2CD2H46G2-IZS
DS-2CD2H26G2-IZS

Product Showcase
EasyIP 2.0+ with AcuSense

DS-2CD2023G2-I(U)
DS-2CD2043G2-I(U)
DS-2CD2063G2-I(U)
DS-2CD2083G2-I(U)

DS-2CD2123G2-I(S/U)
DS-2CD2143G2-I(S/U)
DS-2CD2163G2-I(S/U)
DS-2CD2183G2-I(S/U)

DS-2CD2323G2-I(U)
DS-2CD2343G2-I(U)
DS-2CD2363G2-I(U)
DS-2CD2383G2-I(U)

DS-2CD2423G2-I
DS-2CD2443G2-I
DS-2CD2463G2-I
DS-2CD2483G2-I

DS-2CD2523G2-IS
DS-2CD2543G2-I(W)S
DS-2CD2563G2-IS
DS-2CD2583G2-IS

DS-2CD2E23G2-U
DS-2CD2E43G2-U

DS-2CD2T23G2-2I/4I
DS-2CD2T43G2-2I/4I
DS-2CD2T63G2-2I/4I
DS-2CD2T83G2-2I/4I

DS-2CD2623G2-IZS
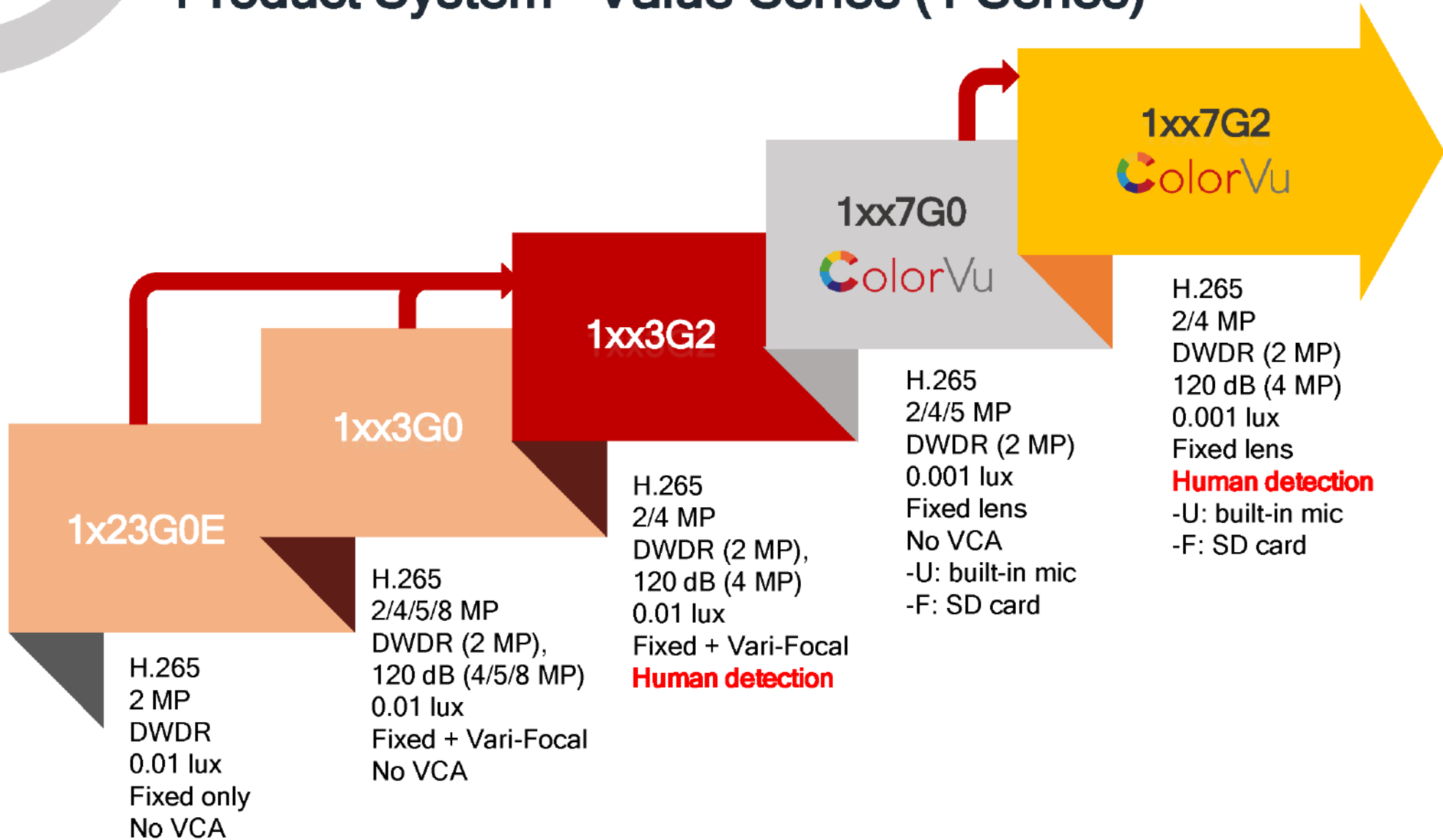DS-2CD2643G2-IZS
DS-2CD2663G2-IZS
DS-2CD2683G2-IZS

DS-2CD2723G2-IZS
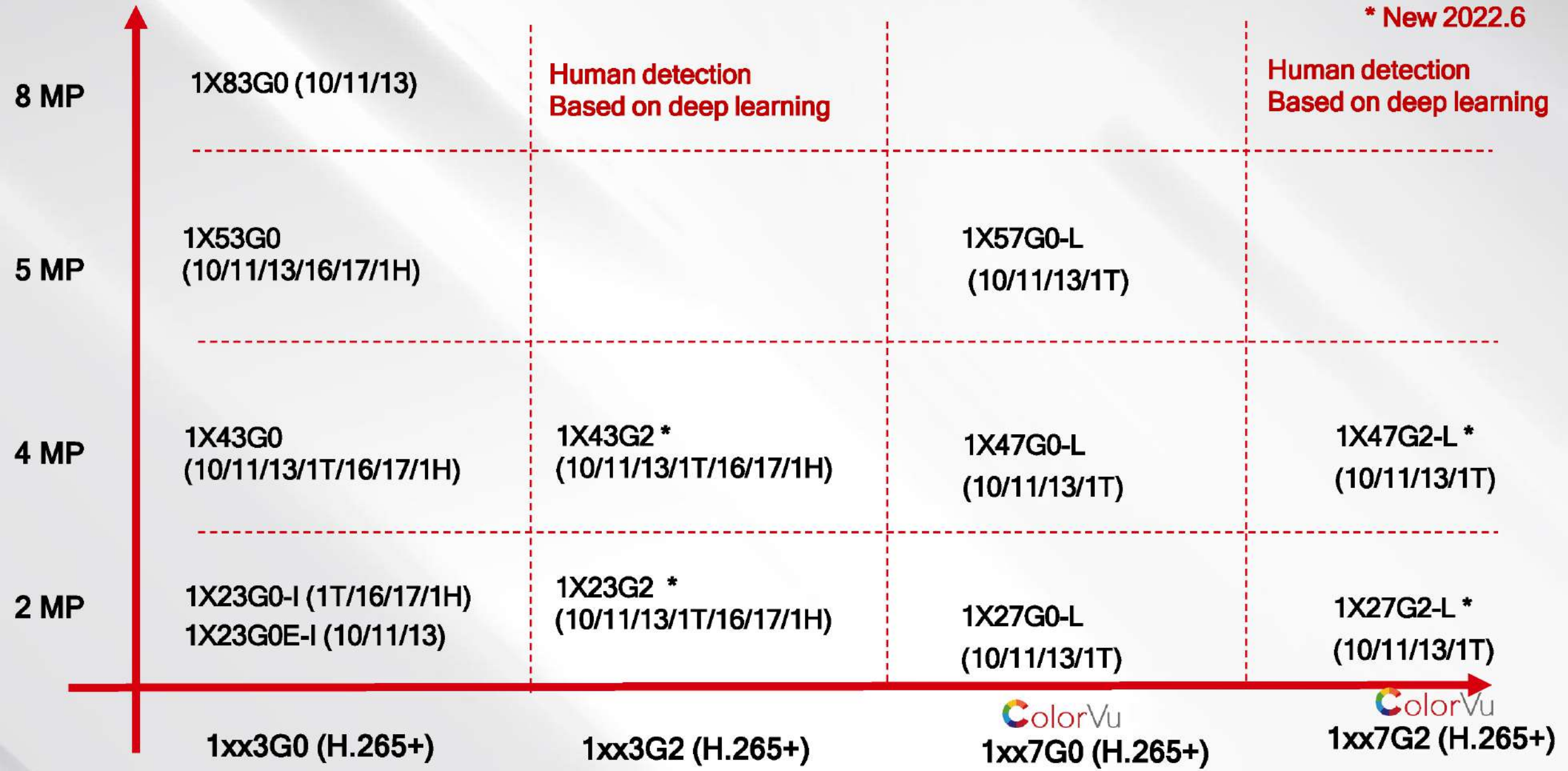DS-2CD2743G2-IZS
DS-2CD2763G2-IZS
DS-2CD2783G2-IZS

DS-2CD2H23G2-IZS
DS-2CD2H43G2-IZS
DS-2CD2H63G2-IZS
DS-2CD2H83G2-IZS

Product System – Value Series (1 Series)

HIKVISION

1x23G0E

H.265
2 MP
DWDR
0.01 lux
Fixed only
No VCA

1xx3G0

H.265
2/4/5/8 MP
DWDR (2 MP),
120 dB (4/5/8 MP)
0.01 lux
Fixed + Vari-Focal
No VCA

1xx3G2

H.265
2/4 MP
DWDR (2 MP),
120 dB (4 MP)
0.01 lux
Fixed + Vari-Focal
Human detection

1xx7G0

ColorVu

H.265
2/4/5 MP
DWDR (2 MP)
0.001 lux
Fixed lens
No VCA
-U: built-in mic
-F: SD card

1xx7G2

ColorVu

H.265
2/4 MP
DWDR (2 MP)
120 dB (4 MP)
0.001 lux
Fixed lens
Human detection
-U: built-in mic
-F: SD card

Value Series Network Camera Product Map

HIKVISION

* New 2022.6

	1xx3G0 (H.265+)	1xx3G2 (H.265+)	1xx7G0 (H.265+) ColorVu	1xx7G2 (H.265+) ColorVu
8 MP	1X83G0 (10/11/13)	Human detection Based on deep learning		Human detection Based on deep learning
5 MP	1X53G0 (10/11/13/16/17/1H)		1X57G0-L (10/11/13/1T)	
4 MP	1X43G0 (10/11/13/1T/16/17/1H)	1X43G2 * (10/11/13/1T/16/17/1H)	1X47G0-L (10/11/13/1T)	1X47G2-L * (10/11/13/1T)
2 MP	1X23G0-I (1T/16/17/1H) 1X23G0E-I (10/11/13)	1X23G2 * (10/11/13/1T/16/17/1H)	1X27G0-L (10/11/13/1T)	1X27G2-L * (10/11/13/1T)

Value Series with ColorVu

Budget-friendly options of ColorVu

📷 **ColorVu** technology

🆔 **2/4/5 MP**

0.001 lux @ F1.0

IP67

HIKVISION

Value Series with ColorVu

Product Showcase – 1 Series with ColorVu

DS-2CD1057G0-L(UF) (C)
DS-2CD1047G0-L(UF) (C)
DS-2CD1027G0-L(UF) (C)

DS-2CD1157G0-(UF) (D)
DS-2CD1147G0-(UF) (D)
DS-2CD1127G0-(UF) (D)

DS-2CD1357G0-L(UF) (C)
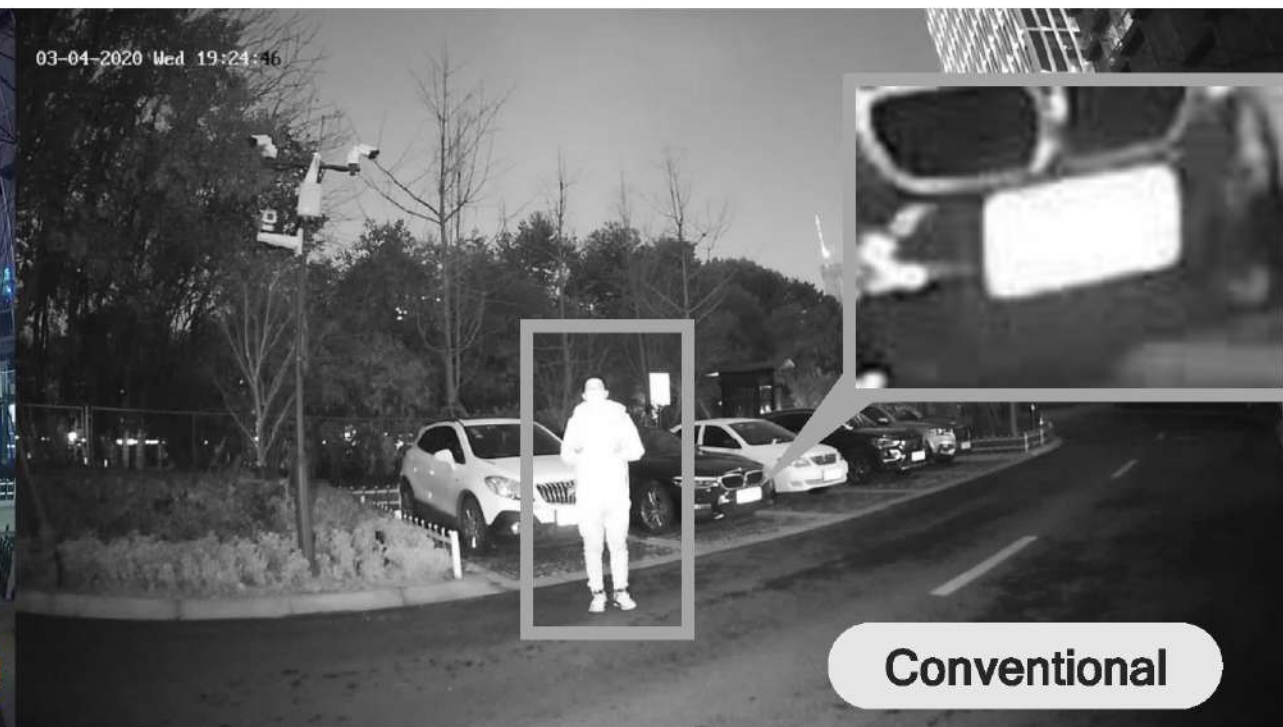DS-2CD1347G0-L(UF) (C)
DS-2CD1327G0-L(UF) (C)

DS-2CD1T57G0-L(UF) (C)
DS-2CD1T47G0-L(UF) (C)
DS-2CD1T27G0-L(UF) (C)

HIKVISION

Value Series with ColorVu

ColorVu

Conventional

* Image is shot with supplemental light OFF

√ In most scenarios, warm light is not necessary for ColorVu-enabled cameras to generate clear and colorful night image

* Image is shot with supplemental IR light ON

× Overexposure of IR on close target or reflection of IR on license plates are inevitable.

Value Series Network Camera

Meeting Basic Video Security Requirements

HIKVISION

H.265+
Excellent encoding pattern greatly saves bandwidth and storage

EXIR
Bright and high efficiency illumination

Multiple Appearances
Different shapes meet different scenario requirement

Power over Ethernet

1 Series Network Camera

High Resolution
Up to 8 MP@12.5 fps

True WDR
4 MP models support 120 dB WDR

Human detection
Improves efficiency of motion detection

IP67, IK10
Weather-proof and vandal-proof

Mobile Phone App Control
Support Hik-connect software remote control

02 PT Cameras

- Background of PT cameras

- Benefits of PT Cameras

- Product Showcase

Market Trends

Increase of smart phones leads to wide application of IoT
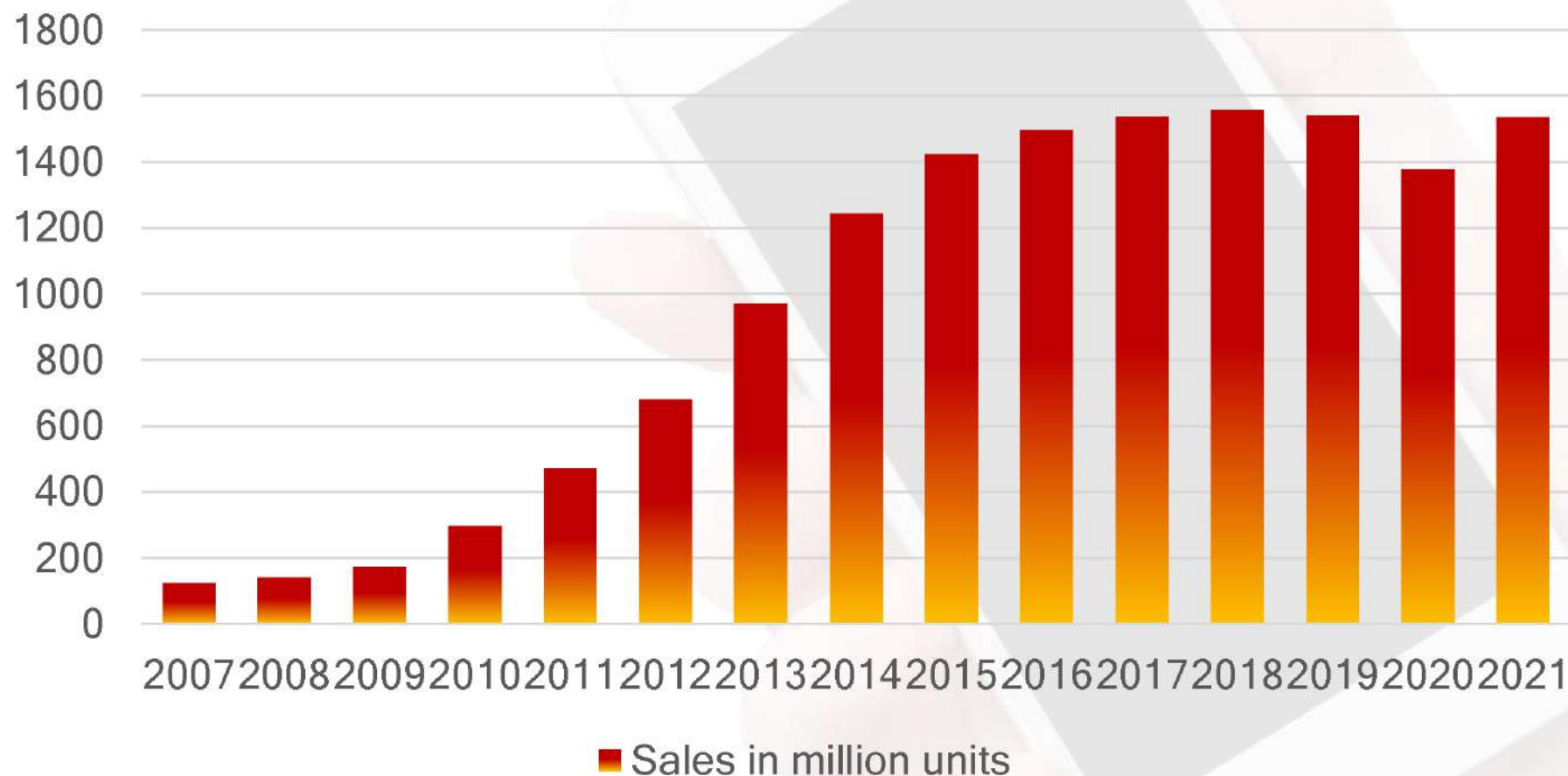
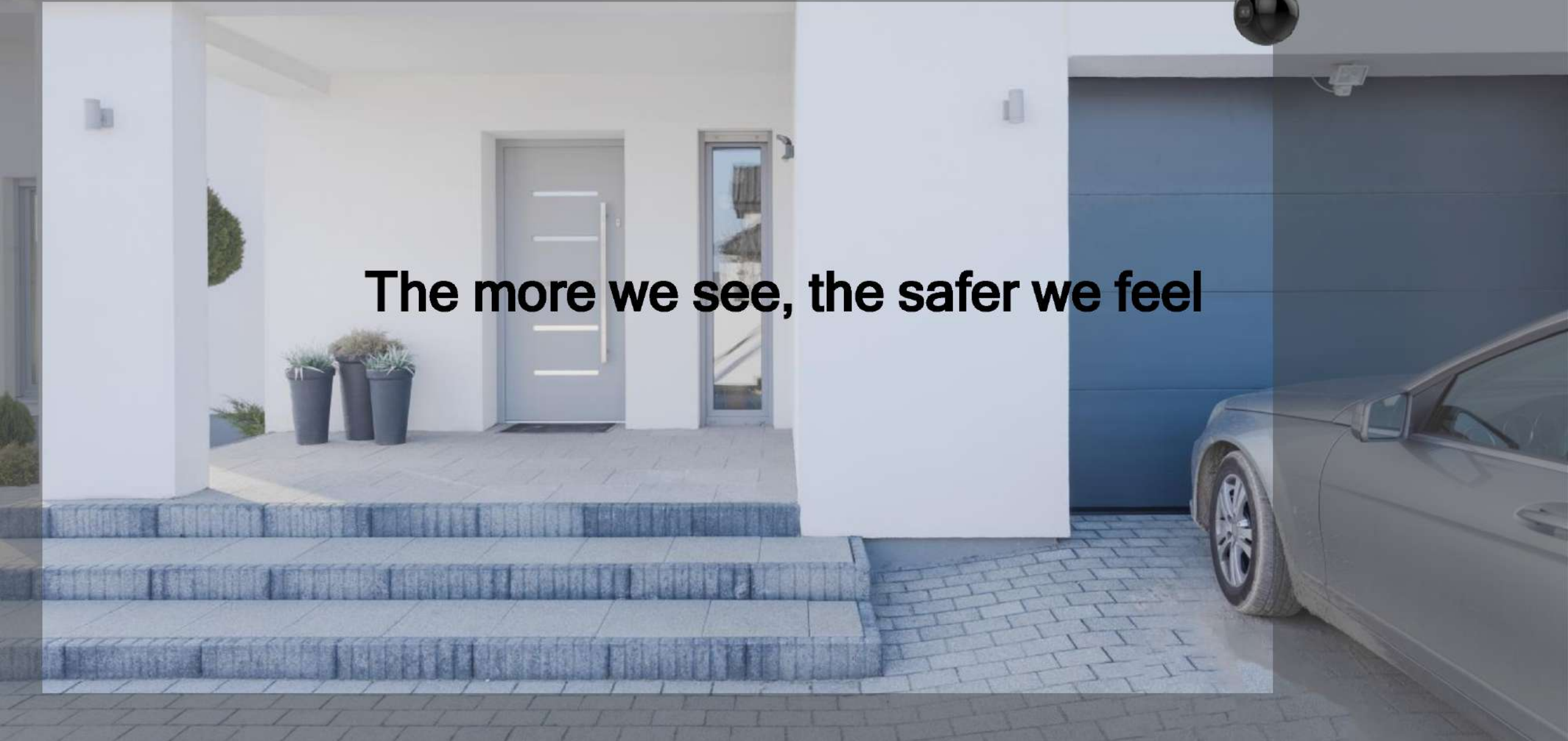**Numbers of smartphone sold to end users worldwide from 2007 to 2021**

Market Trends

Recognition of Security System with Remote Control

HIKVISION

Market Trends

The more we see, the safer we feel

HIKVISION

Market Trends

Development of PT cameras

The majority of consumer cameras from Shenzhen in OEM market support **PT**

According to our estimation, annual growth rate of PT cameras can reach more than

100%
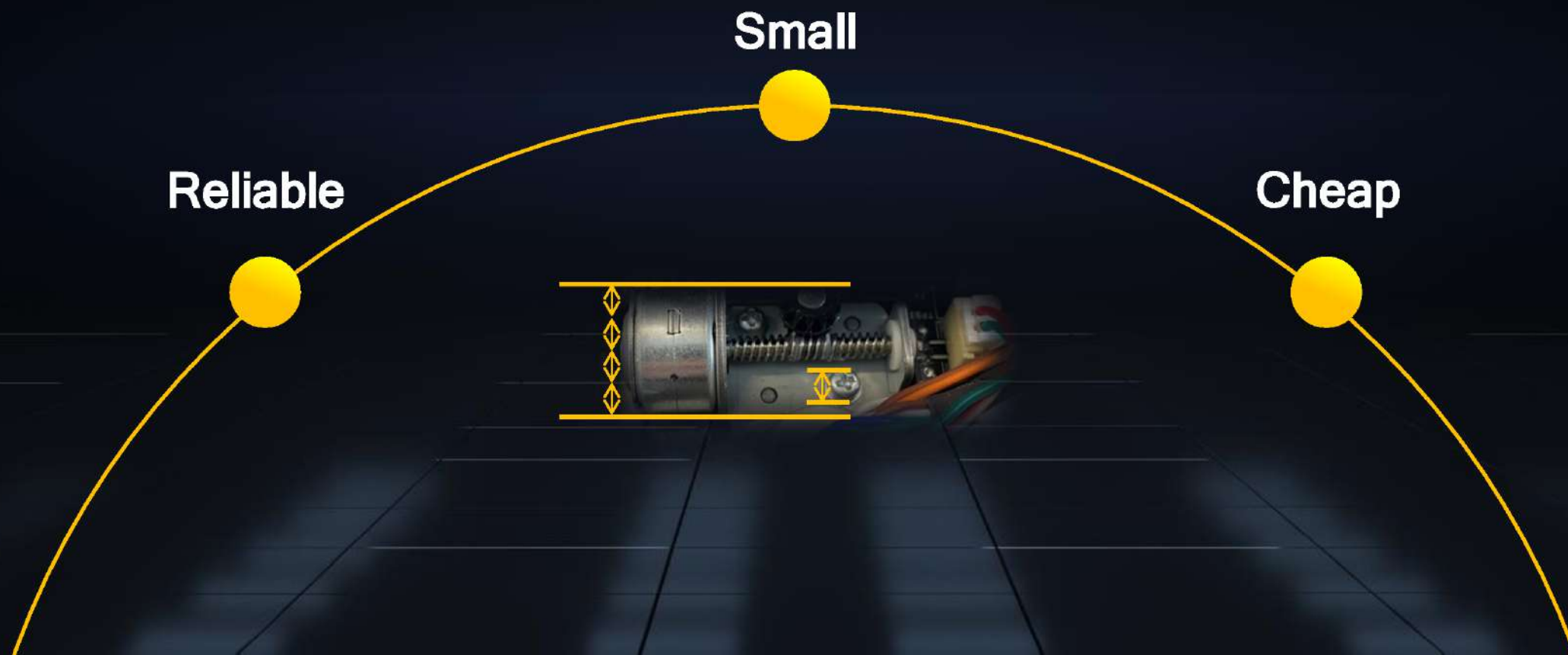
Technical Trends

Smaller motor and new structure design enables compact size

Market Analysis of PT and PTZ Cameras

Projects

Professional PTZ Cameras

15X or more optical zoom, 4-inch or larger in size, professional functions for projects

Distribution

PT Cameras

Fixed focal length or 0x - 4 x optical zoom, medium size, functions of security cameras

Consumer Cameras with PT

Consumer cameras of home applications

DIY

PT Cameras

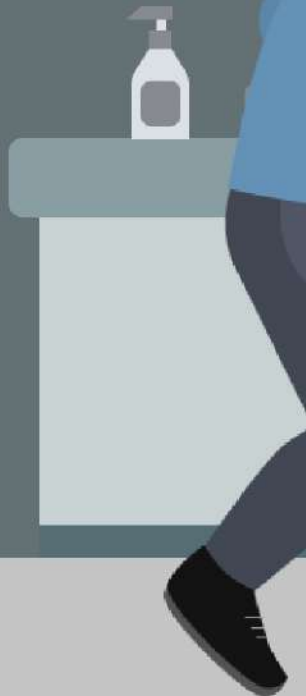## Friendly to Installer with Higher Efficiency

Fixed Cameras

PT Cameras

VS

All-in-one bracket

Great User Experience with Hik-Connect app

PT Cameras
Just a Matter of a Turn

HIKVISION

PT Function
- Wide coverage, view every direction freely
- Support preset point

(1)

Various camera forms

(4)
- Suitable for different environments
- PT dome: unnoticeable direction
- PT bullet: strong deterrence

Easy Installation

(2)
- No need to adjust viewing angle carefully during installation

High Reliability

(5)
- Water and dust resistant (IP66), no worries of rain and fog

Two way audio

(3)
- Plug and play
- Easy installation benefit from less wiring

All-in-one bracket

(6)
- Higher installation efficiency

Network PT Product Family

DE3A

IP66, Live Guard, Two-way audio

DE3A

IP66, Two-way audio
4x Optical Zoom

DE2C

IP66, Two-way audio
Fixed focal length

DE2C

IP66, Two-way audio
2022.5

DE2A

IP66, IK10
4x Optical Zoom

CD1P

IP66, Fixed focal length
2022.7

CD1A

IP66, 4x Optical Zoom

Conventional
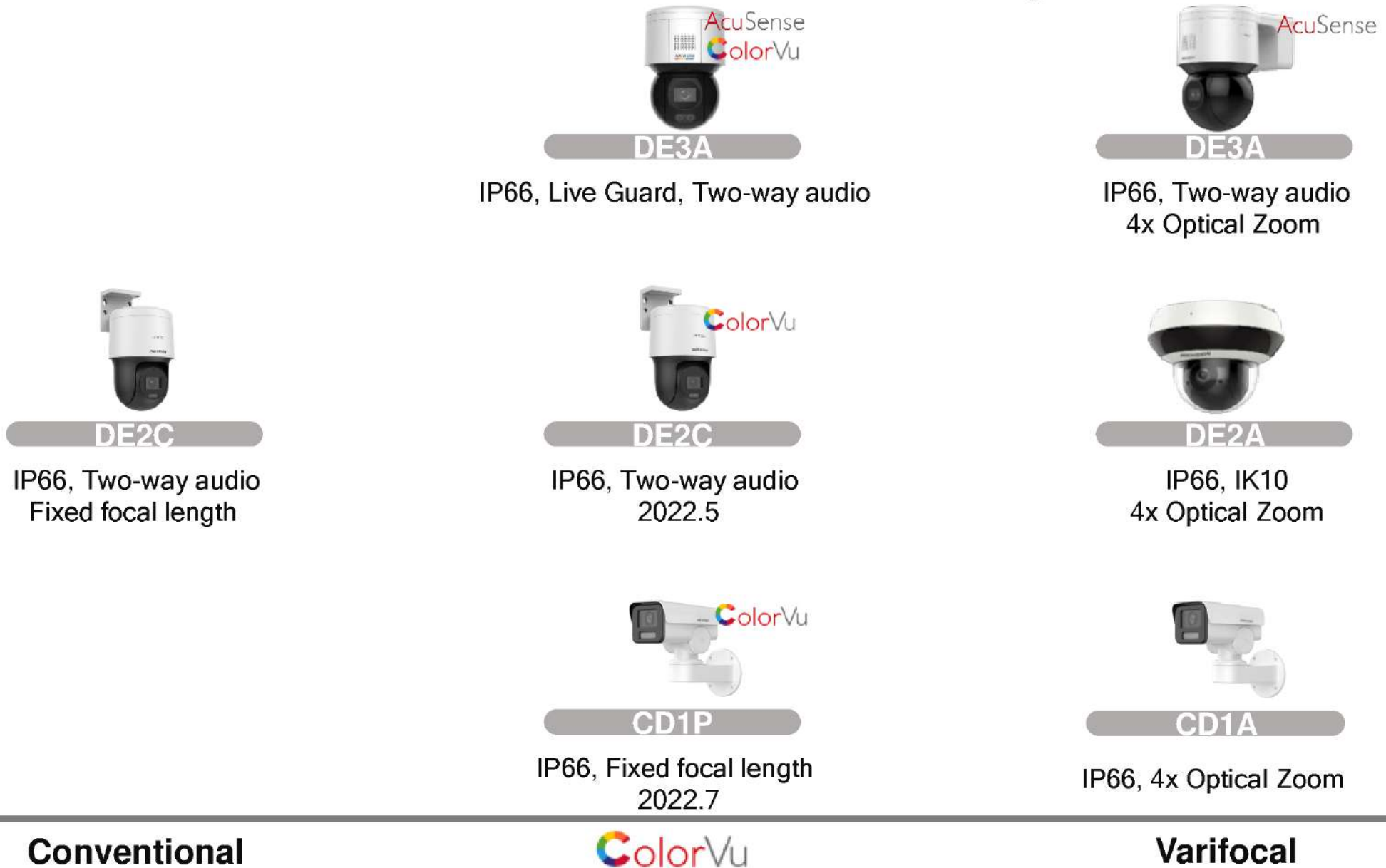
Varifocal

PT Bullet

- 2/4 MP

- 0.01 Lux @ F1.6

- Pan: -100° to 100°, tilt: -45° to 20°

- 120 dB WDR

- 2.8 - 12 mm motorized varifocal lens

- IP66

DS-2CD1A43G0-IZ
DS-2CD1A23G0-IZ
Released

![HIKVISION]

PT Dome

- 2/4 MP, 0.01 Lux @ F1.6

- IR or white light

- Pan: 0° to 340°, tilt: -5° to 105°

- Two-way audio

- 2.8/4 mm lens

- IP66

DS-2DE2C400MW-DE(F0)(S7)

DS-2DE2C400MW-DE(F1)(S7)

DS-2DE2C200MW-DE(F0)(S7)

DS-2DE2C200MW-DE(F1)(S7)

Released

Product Replacement

No changes in parameters

DS-2DE2A404IW-DE3(S6)
DS-2DE2A404IW-DE3/W(S6)
DS-2DE2A204IW-DE3(S6)
DS-2DE2A204IW-DE3/W(S6)

DS-2DE2A404IW-DE3(S6) (C)
DS-2DE2A404IW-DE3/W(S6) (C)
DS-2DE2A204IW-DE3(S6) (C)
DS-2DE2A204IW-DE3/W(S6) (C)

HIKVISION

Upcoming Products
PT Dome

- 2/4 MP, 0.001 Lux @ F1.0

- Warm light **ColorVu**

- Pan: 0° to 340°, tilt: -5° to 105°

- Two-way audio

- 2.8/4 mm lens

- IP66

DS-2DE2C400SCG-E(F0)

DS-2DE2C400SCG-E(F1)

DS-2DE2C200SCG-E(F0)

DS-2DE2C200SCG-E(F1)

2022.5

Product Showcase

PT Cameras

DS-2CD1A43G0-IZ
DS-2CD1A23G0-IZ

DS-2DE2A404IW-DE3(S6) (C)
DS-2DE2A404IW-DE3/W(S6) (C)

DS-2DE2C400MW-DE(F0)(S7)

DS-2DE2C400MW-DE(F1)(S7)

DS-2DE2C200MW-DE(F0)(S7)

DS-2DE2C200MW-DE(F1)(S7)

DS-2DE3A400BW-DE(F1)(T5)

DS-2DE3A404IW-DE (S6)
DS-2DE3A404IW-DE/W(S6)

HIKVISION

HIKVISION

03 PTZ Cameras

- Spotlight Products:

  - TandemVu PTZ Camera with ColorVu Technology
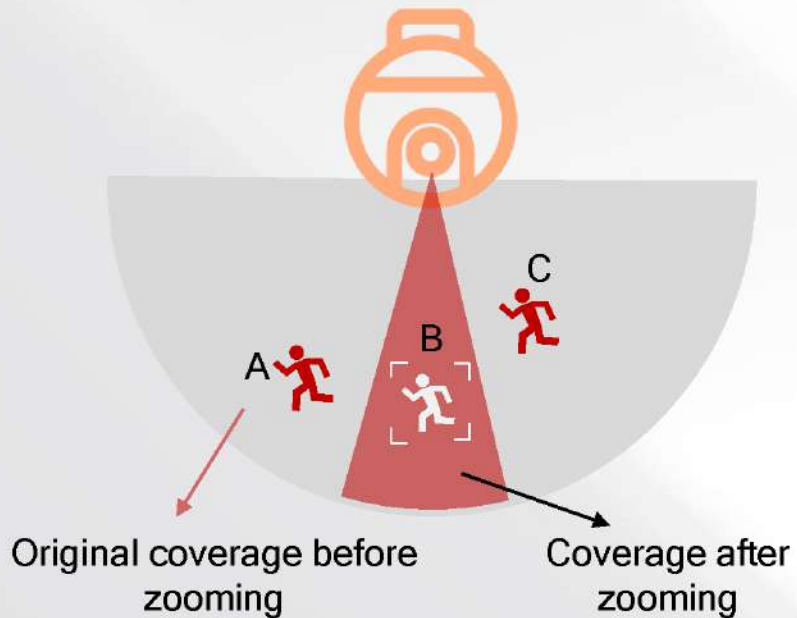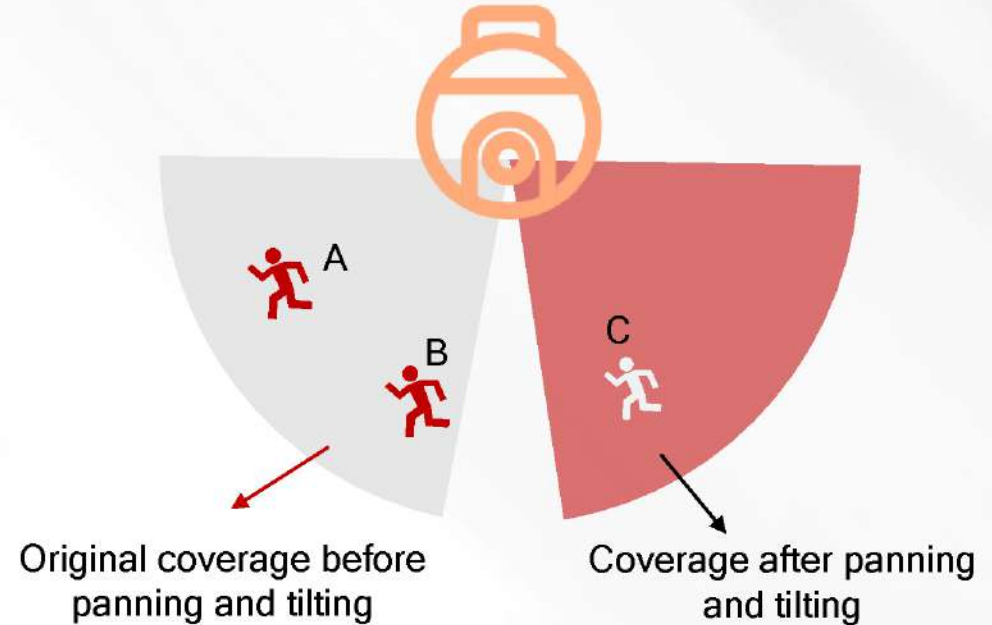
Network PTZ Camera Product Map (Type D)

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7-inch

2 MP, 25x/32x/45x
4 MP, 25x/32x
8 MP, 25x
Live Guard
IK10 (except the lens)

DE7A AcuSense

1 Bullet: 4 MP, 4 mm
1 PTZ: **4 MP**, 25x/32x
Live Guard
IK10 (except the lens)

SE7C AcuSense **C**olorVu

1 Panoramic: 4 MP, 4 mm, 180°
1 PTZ: **4 MP**, 25x/32x
Live Guard
IK10 (except the lens)

SE7C AcuSense **C**olorVu

5-inch

4 MP 25x

DE5 - IR AcuSense

2 MP 32x
2 MP 25x

DE5 - No IR AcuSense

4-inch

4 MP 25x/15x
2 MP 25x/15x

DE4 AcuSense

4MP 25x
2MP 25x

DE4A

1 Bullet: 2/4 MP, 4 mm
1 PTZ: **2/4 MP**, 15x/25x
Live Guard
IK10 (except the lens)

SE4C AcuSense **C**olorVu

Conventional PTZ

TandemVu

Limitation of Conventional CCTV Systems

A PTZ camera plus a bullet camera...

Doubles the budget

The total budget of one PTZ plus one bullet is much higher.

Complicates installation

The cabling, power supply installation, and camera angle adjustment add complexity.

Makes linkage difficult

Linking two cameras operating independently adds difficulty.

What is TandemVu PTZ Camera

Hikvision's new **TandemVu PTZ** cameras feature next-generation technology, integrating a bullet camera and a PTZ camera in one unit. This exciting new type of camera provides big picture and small details in "tandem," inspiring its name.

The overall view remains even during the pan, tilt, and zoom maneuvers, so that users will see everything and miss nothing at any given instant, getting unparalleled situational awareness from the moment they set the camera up.

Enjoy Multiple Advantages of the Integrated Design

One camera purchase for multiple-camera benefits

➢ **For SIs**

- The two-in-one design gets around any compatibility problems when pairing different devices. Project application and install are much easier.
- One TandemVu PTZ camera is more cost-effective than two conventional cameras with accessories.
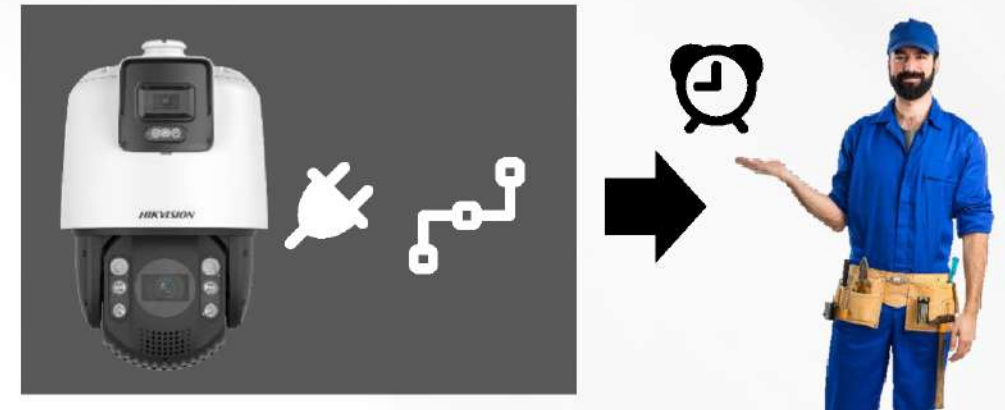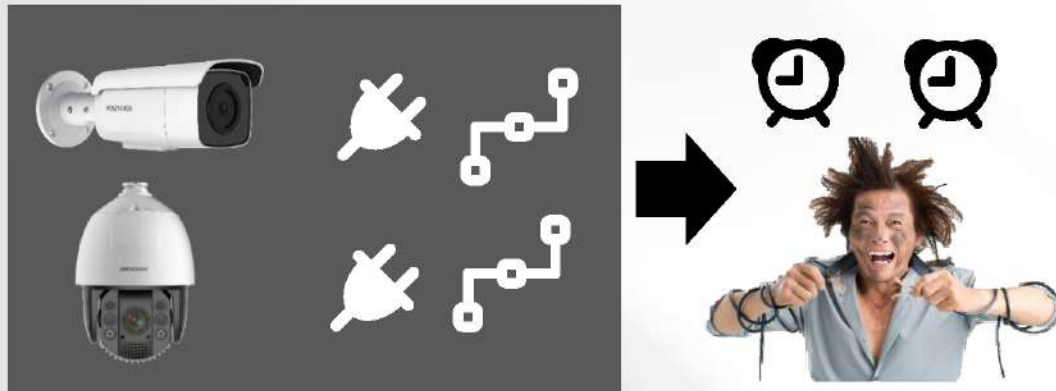
✓ **Budget-friendly**

Enjoy Multiple Advantages of the Integrated Design

One-time Installation

➢ **For Installers:**

- One-device installation
- One-time wiring
- One-time angle adjustment

✓ **Saving time and energy**

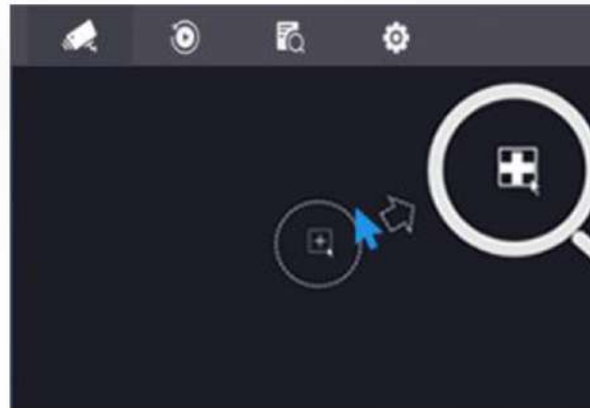# Enjoy Multiple Advantages of the Integrated Design

One IP to manage

➢ **For installers and end users:**

- In contrast to installing one bullet and one PTZ, the TandemVu PTZ has only one IP address for dual-channel operations.

✓ **Easy to manage and easy to use**
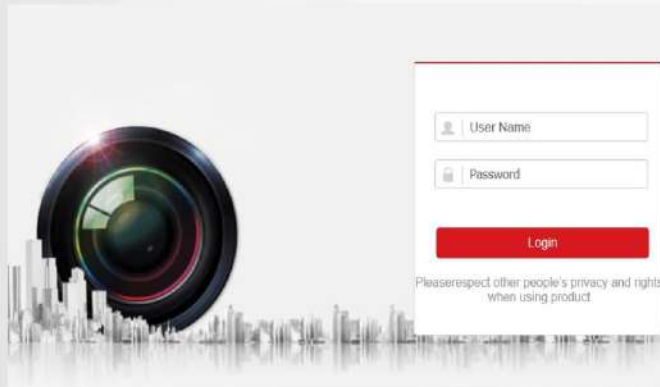
Log in once
(TandemVu PTZ website)

Add once
(Local NVR GUI)

Activate once
(HCP platform)

![HIKVISION]

AcuSense Technology Brings Intelligence and Efficiency

AcuSense

Focus on Human/Vehicle

Only human or vehicle can trigger alarms, other targets disregarded.

Quick target search

Find the video you need more quickly with classified video footages in NVR.

Warning! This is a restricted area, please keep away!

* Audio customization is supported. (3 pieces)

Act at Realtime

Warns off intruders with *strobe light alarm* and *audio alarm*. *(30 m)*

Product Showcase

HIKVISION

Bullet

- 4 MP
- 4 mm
- 0.0005 lux @ F1.0
- 120 dB
- ColorVu AcuSense

PTZ

- 4 MP
- 25x / 32x
- 0.005 lux @ F1.5
- 120 dB
- AcuSense, face capture

30 m White light

200 m IR distance for PTZ

Strobe lights

Built-in speaker

DS-2SE7C425MW-AEB(14F1)(P3)

DS-2SE7C432MW-AEB(14F1)(P3)

Solutions with NVR

TandemVu PTZ Camera

NVR

Firmware: V4.51.025

DS-76xxNI-I2

DS-77xxNI-I4

Firmware: V4.51.200

DS-76xxNXI-I2

DS-77xxNXI-I4

- Video recording

- Live feed

- Playing back video footage with human or vehicle targets

- Searching human or vehicle targets directly

DS-2SE7C425MW-AEB(14F1)(P3)

DS-2SE7C432MW-AEB(14F1)(P3)

Recommended Applications for TandemVu PTZ Camera

HIKVISION

Industrial parks

The bullet view to get 7*24h recording of key roads;
The PTZ view to get patrols patterns.

Cross-roads

The bullet view for continues recording;
The PTZ view for target details on the road .

Schools

The bullet view for perimeter;
The PTZ view for human details at the gate.

Application Scenarios – Perimeters

Perimeter Protection
Up to 400-meter long fences or walls

Application Overview

Perimeter protection is necessary in many areas to establish security across the property, like factories, schools, warehouses, and industry parks.

Normally, perimeter system installation is costly and complex due to the expansive area to cover.

Primary Requirements

- With perimeter protection, fewer intrusions occur.
- When would-be intruders approach, they will be detected and audibly warned to turn back.
- If an intrusion occurs, security personnel can be informed immediately and details of the trespasser will be recorded and stored.

Pain Points

- Conventional non-video solutions cannot record and capture trespassers.
- Conventional video solutions require several cameras to cover the entire perimeter. Installation and management are complex.
- A fixed camera cannot track details and movement of a trespasser.
- When accidents happen, a conventional PTZ zooms in to get details and immediately loses the view of the surrounding area.
- Alarms are triggered frequently by swaying leaves or animals climbing on walls or fences. Most security guards are tired of false alarms.

Solution Value

- Long IR distances and large zoom ratios can cover larger areas.
- Strobe lights and audio alarms keep trespassers away.
- Only human or vehicle targets can trigger alarms, improving efficiency for security personnel.
- When one intrusion happens, the PTZ camera captures details and the bullet camera maintains the overall view.
- Searching for human or vehicle targets directly when intrusions occur helps law enforcement find related evidence quickly.

Upcoming Products
4-inch TandemVu

HIKVISION®

Bullet

- 2/4 MP
- 2.8 mm
- 0.0005 lux @ F1.0
- 120 dB
- ColorVu Technology   AcuSense Technology

PTZ

- 4 MP
- 15x / 25x
- 0.005 lux @ F1.5
- 120 dB
- AcuSense Technology

Release Time: 2022.6

Upcoming Products
7-inch Panoramic TandemVu

Bullet

- 4 MP 180° Panoramic View
- 4 mm dual lens
- 0.0005 lux @ F1.0
- 120 dB
- ColorVu Technology   AcuSense Technology

PTZ

- 4 MP
- 25x / 32x
- 0.005 lux @ F1.5
- 120 dB
- AcuSense Technology
- Live Guard

Release Time: 2022.6

04 NVR

NVR Product Map

Upcoming

- K series NVR with AcuSense technology

Upgraded

- Cloud storage for NVR

NVR Product Map

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New

AcuSense Technology | AcuSense Technology

| DS-7600NXI-I2/S | DS-7700NXI-I4/S | → | 16*1080p, **human/vehicle classification** on 4-channel VCA results, 1-channel **face recognition** capacity for video stream |

4.0 GUI

| DS-7600NI-I2 | DS-7700NI-I4 | → | 16*1080p, **quick target search** |

AcuSense Technology | AcuSense Technology | AcuSense Technology
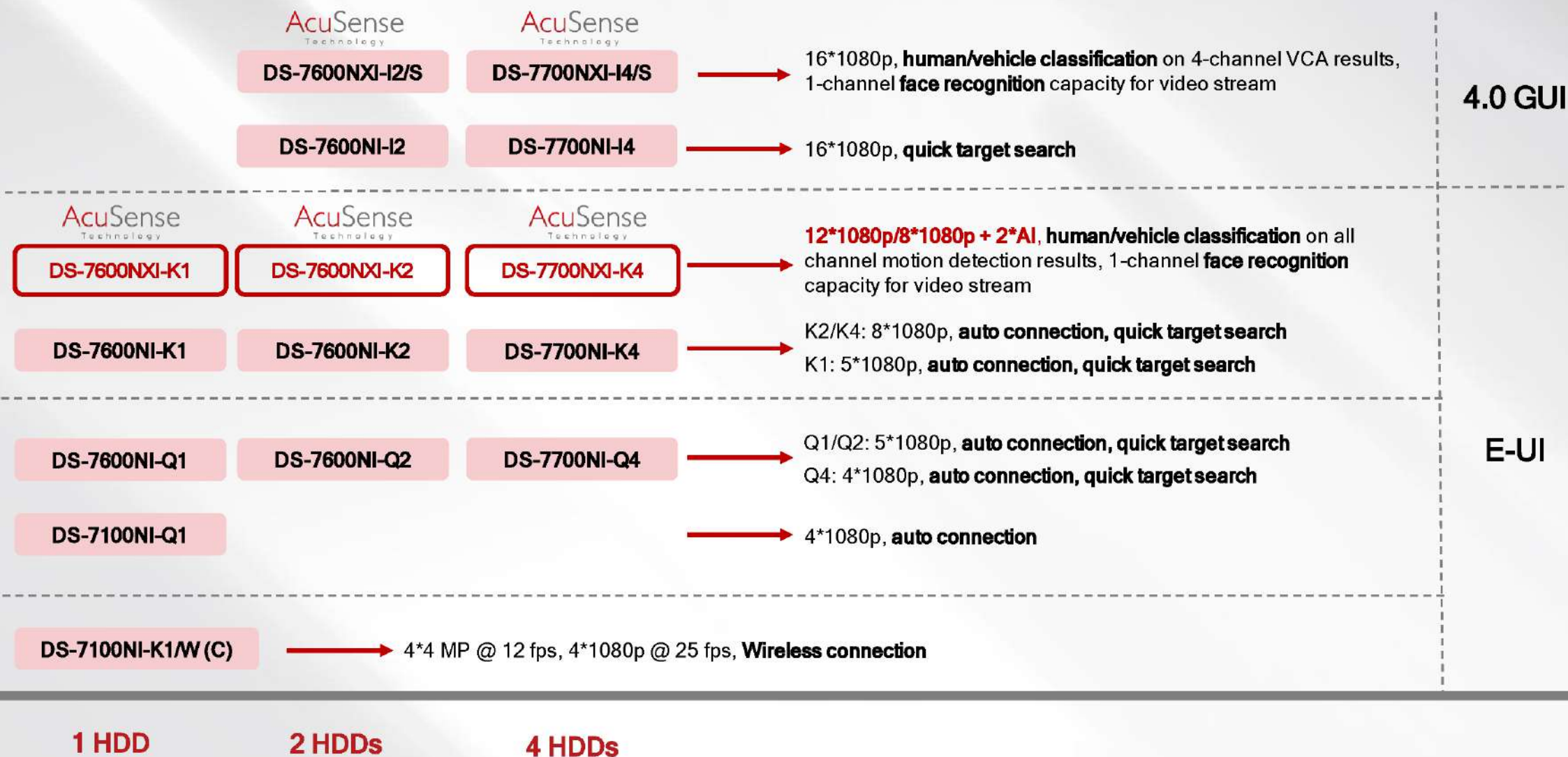
| DS-7600NXI-K1 | DS-7600NXI-K2 | DS-7700NXI-K4 | → | **12*1080p/8*1080p + 2*AI, human/vehicle classification** on all channel motion detection results, 1-channel **face recognition** capacity for video stream |

| DS-7600NI-K1 | DS-7600NI-K2 | DS-7700NI-K4 | → | K2/K4: 8*1080p, **auto connection, quick target search**
K1: 5*1080p, **auto connection, quick target search** |

| DS-7600NI-Q1 | DS-7600NI-Q2 | DS-7700NI-Q4 | → | Q1/Q2: 5*1080p, **auto connection, quick target search**
Q4: 4*1080p, **auto connection, quick target search** |

E-UI

| DS-7100NI-Q1 | → | 4*1080p, **auto connection** |

| DS-7100NI-K1/W (C) | → | 4*4 MP @ 12 fps, 4*1080p @ 25 fps, **Wireless connection** |

1 HDD   **2 HDDs**   **4 HDDs**

K series NVR with AcuSense

HIKVISION

Targets classification

ALARM!

DISREGARDED!

Human Vehicle

Others

Your treasurable time is worth focusing on human and vehicle events.

Quick target search

Extraction of valuable data

NVR

Human Search

Vehicle Search
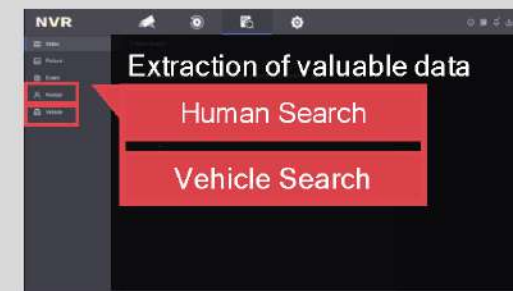
Saving time of video searching.

Face recognition

- 1-ch video stream and 4-ch picture stream.

- Face recognition and targets classification can not be available at the same time.

High decoding capacity

NO RESOURCE

12-ch @ 1080p

Targets classification

Based on motion detection (all channels)
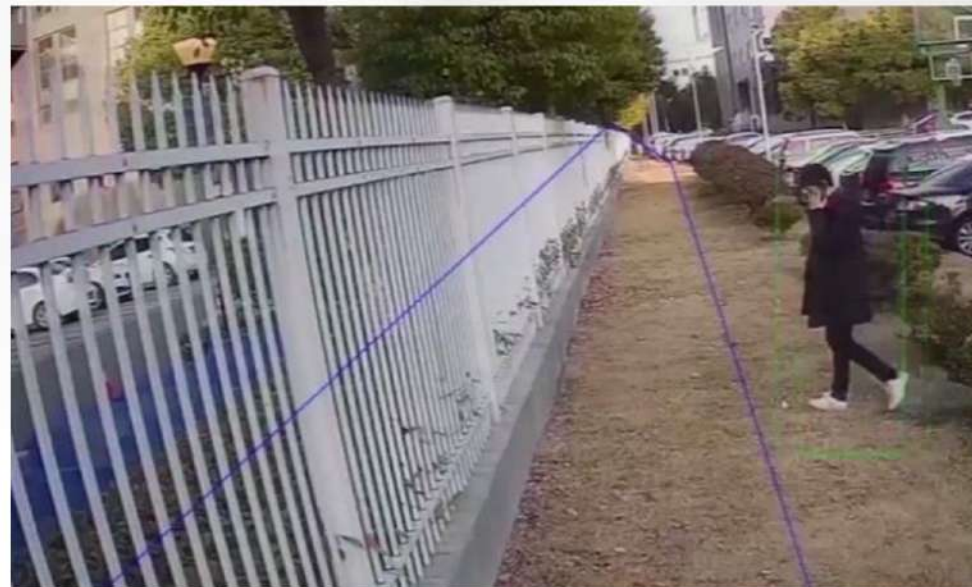
Based on VCA rules（2-channels）*

*This function will be supported via firmware updates in the future.

Motion detection 2.0

Configuration is easier than motion detection

Motion Detection 2.0 On by Default   ✔ Human   ✔ Vehicle

Full screen detection by default

or
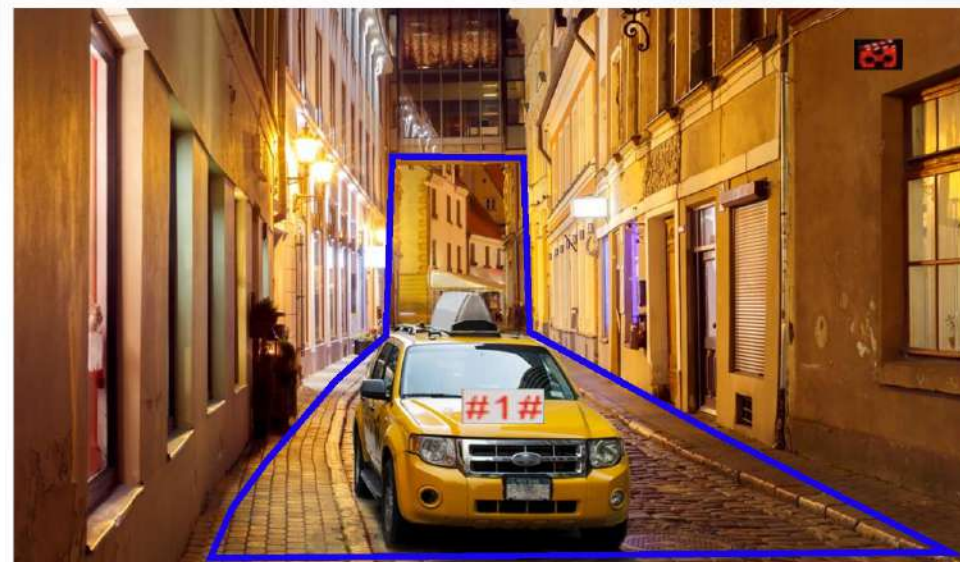
You can set detection boxes anywhere you like

Quick target search

All file mixed together

Human file

Vehicle file
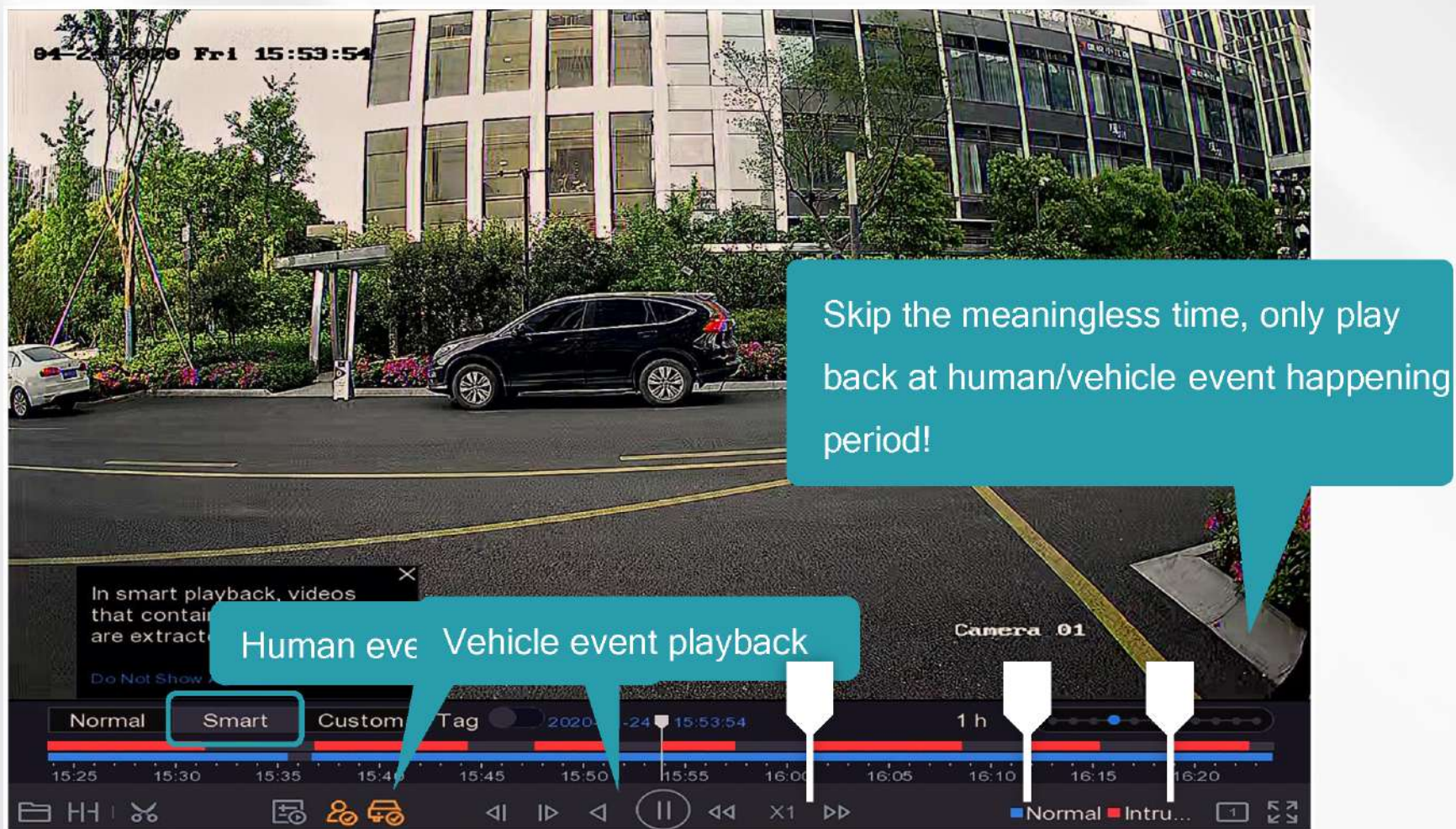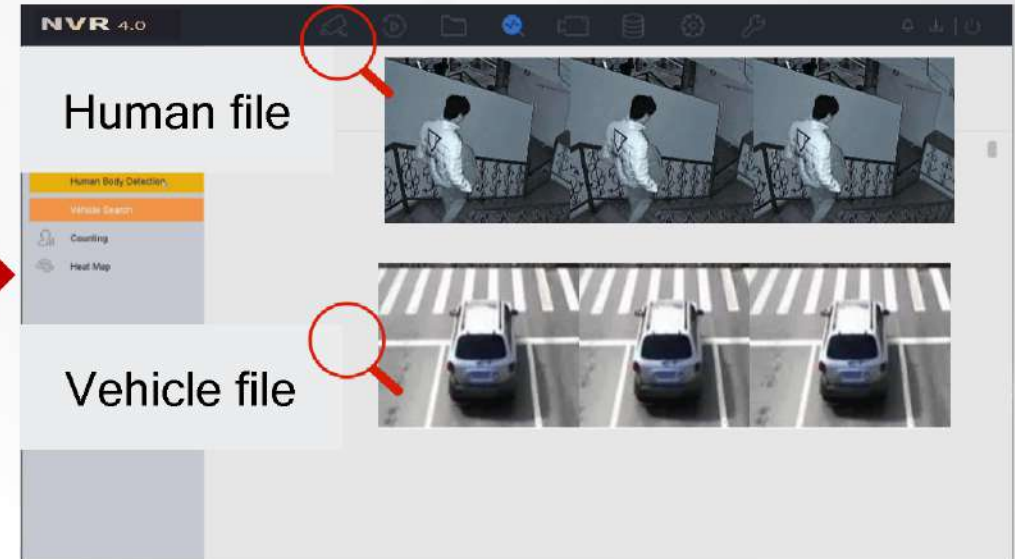
| X | Take a lot of time to search useful alarm information in the amount of video data. | → | ✓ | Searching the human or vehicle target you want quickly. |

Face recognition

Conventional camera   K Series with AcuSense

1-ch face recognition based on video stream

OR

Face capture camera   K Series with AcuSense

4-ch face recognition based on picture stream

High decoding capacity

Multi-channel simultaneous playback saves video checking time

Conventional K series

K series with AcuSense

No Resource

50%

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8-ch @ 1080p

12-ch @ 1080p

* Functions with AcuSense is not enabled.

High decoding capacity

	Conventional K series	K series with AcuSense	
		If functions with AcuSense is not enabled	If functions with AcuSense is enabled
Decoding capacity	8-ch @ 1080p	12-ch @ 1080p	8-ch @ 1080p
Channels for AI function	0	0	- All channels motion detection 2.0; - 1-ch facial recognition on video stream/4-ch facial recognition on picture stream; - 2-ch targets classification on VCA results* *AI functions can not be available at the same time.*

This function will be supported by the coming firmware.

Application scenarios

Inns

Background:

When customers lose items or accidents happen, processes should be traced back easily and quickly. However, conventional products face may challenges:

- Lots of time spent on finding the right targets;
- Constant disturbance by useless alarms in perimeter.

NVR with AcuSense provides:

- Multiple channels playback simultaneously without switching windows.
- Searching videos contain intruders directly without checking one by one.
- Receiving the accurate alarms about human and vehicles.

Small Office   **Small Stores**   **Restaurants**

HIKVISION

Cloud storage

Software	Model and Firmware	Parameter
Hik-ProConnect V1.8 **Hik-Connect App V4.18**	**Firmware V4.51.025 or above:** • I series NVR • DeepinMind series NVR • NVR with AcuSense technology **Firmware V4.71.000 or above:** • *K series NVR* • *Q series NVR*	• **Cloud storage channel:** 1. 2-ch per NVR (I series, DeepinMind series, NVR with AcuSense technology) 2. **1-ch per NVR (K, Q series)** • **Cloud video parameter:** 1. Resolution: up to 8 MP 2. Frame rate: unlimited 3. Bandwidth: ≤ 5 Mbps • **Cloud video type:** 1. Motion detection 2. Line crossing 3. Intrusion • **Cloud storage package type:** 1. 7-day monthly 2. 7-day annual 3. 30-day monthly 4. 30-day annual

Note: for detailed device compatibility, refer to the latest "Compatibility List" in Hik-ProConnect portal or mobile App.

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