Enhanced Video Surveillance Solution
Smart Technology

VIVAKO

We, VIVA Co., Ltd. has been a global leading developer and manufacturer of advanced video surveillance products.
To provide quality products to over 50 customers from 20 countries, we have been pursued the world best quality and certified by CE, FCC, ISO, RoHs.
VIVA aims at customer satisfaction and study on quality improvement.
We always thankful for your business and promise to continue to strive for even greater excellence in the security solution for your success.
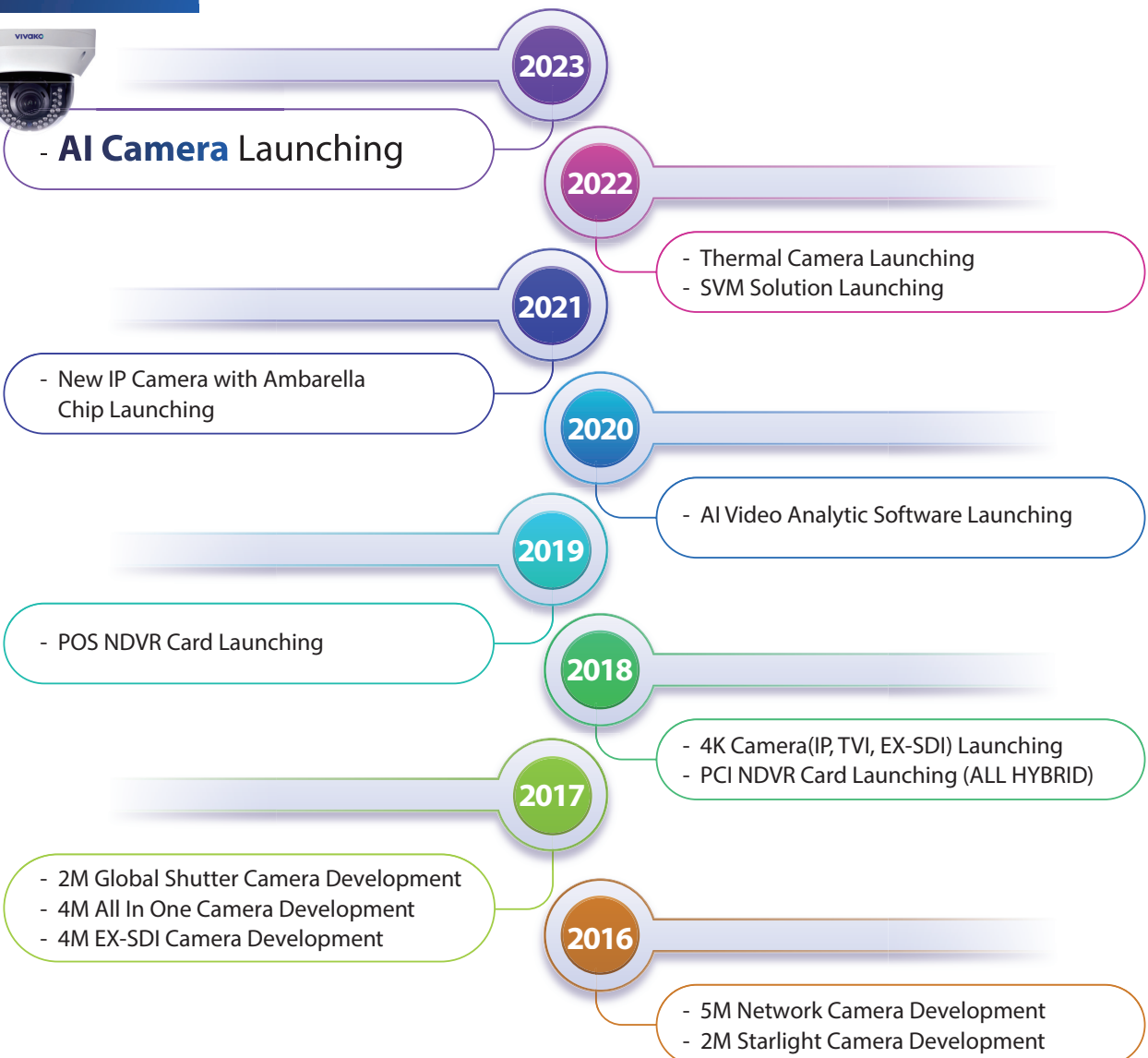
Certificate

Company Introduction

Company History

2023
- **AI Camera** Launching

2022
- Thermal Camera Launching
- SVM Solution Launching

2021
- New IP Camera with Ambarella Chip Launching

2020
- AI Video Analytic Software Launching

2019
- POS NDVR Card Launching

2018
- 4K Camera(IP, TVI, EX-SDI) Launching
- PCI NDVR Card Launching (ALL HYBRID)

2017
- 2M Global Shutter Camera Development
- 4M All In One Camera Development
- 4M EX-SDI Camera Development

2016
- 5M Network Camera Development
- 2M Starlight Camera Development
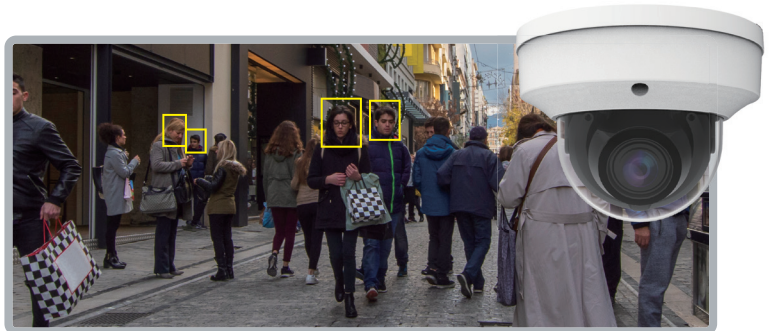
5M, 8M AI Network Camera

01 Key Feature

- 5MP, 8MP@30fps
- Supports Smart H.265/H.264 Encoding
- True Day & Night ICR
- IR Distance : 30M(Dome), 45M(Bullet)
- Motorized 2.7mm - 13.5mm Lens
- 3D DNR, True WDR, HLC, BLC and ROI Encoding
- Supports Triple Streams
- Supports Audio Input and Output
- Supports Alarm Output and Input
- IP67 Ingress Protection
- Operating Temperature: -30℃~55℃
- DC12V / PoE (802.3af)
- Built-in MicroSD Card Slot
- Built-in Reset Button

02 Smart AI Technology

Face Detection

Cameras may identify and save detected
faces With compatible NVR.
They can be organized into desired groups such as
a whitelist or black that can trigger alarms
based on the defined profile set. On the NVR,
you can also perform an intelligent facial search to
identify when an individual entered an area and
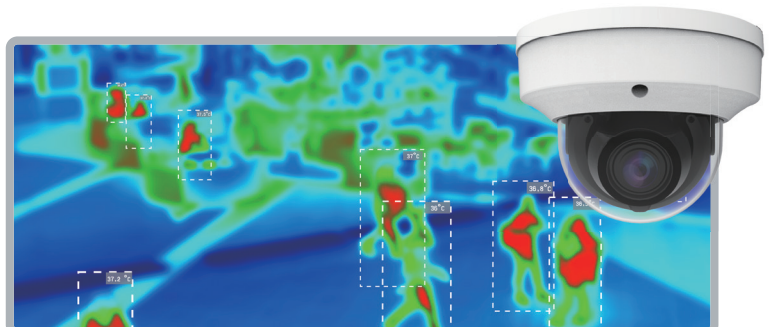the locations where their face was recognized.

People / Vehicle Detection

Identifies movement of people / Vehicle for
more accurate motion recording and
significantly reduce the chances of false alerts.

Heat Map

Heat maps allow for effective analysis of foot
traffic in designated areas.
By having a graphic overlay a congested area,
it is easier to have better insights on
how busy particular regions are.

4M Active Deterrence Network Camera

01 Key Feature

- 4MP (2680x1520)
- H.265+, H.265, H.264+, H.264, MJPEG
- Max. resolution: 2688x1520
- Full Color / Active Deterrence Camera
- 2.8mm Fixed Lens (F1.0)
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- White Light LED / Strobe (Blue & Red) Light
- Built-in MIC / Speaker
- Built-in micro SD card slot, up to 256GB
- IP67 ingress protection
- DC12V / PoE power supply

02 Smart AI Technology

Face Detection

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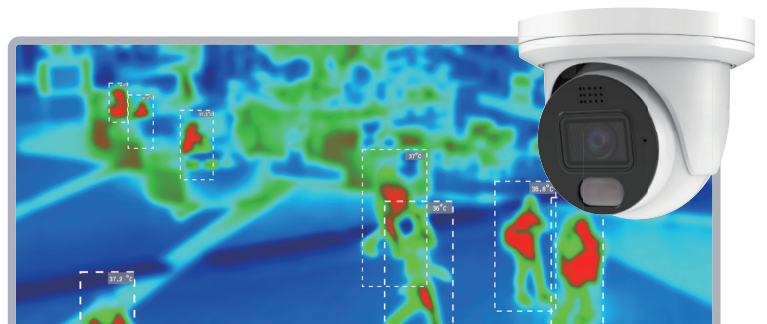
People / Vehicle Detection

Identifies movement of people / Vehicle for more accurate motion recording and significantly reduce the chances of false alerts.

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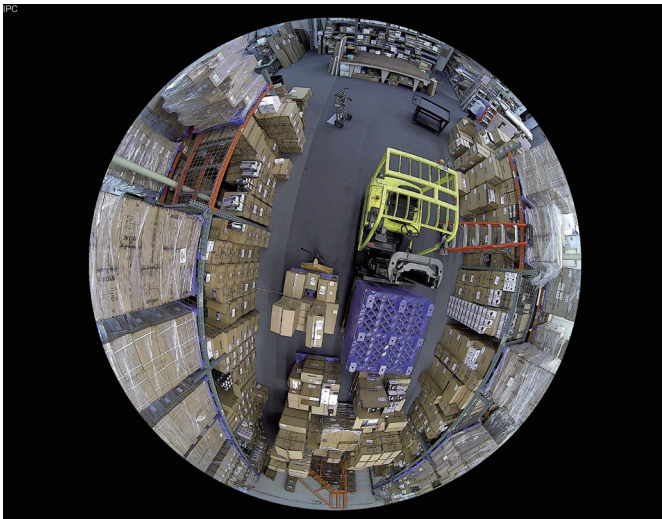
12M 360° Panoramic Network Camera

01 Key Feature

- H.265 Main Profile Video Compression
- 1.7" Sony Progressive 12MP CMOS Image Sensor
- Max. Resolution: 3000 x 3000
- 12MP (3000 x 3000) Full Real Time Coding
- 360° Fisheye Lens, Panoramic View, e-PTZ Function
- True Day/Night ICR Auto Switch
- Hardware Reset
- 3D DNR, True WDR, 8 ROI Encoding, HLC & BLC
- Supports PoE
- Smart Alarm with Motion and Sensor Features
- Compatible ONVIF Profile Protocol
- Supports Triple Streams
- DC12V (±10%) / PoE (802.3af) <12W

02 View Mode Image

Day

Night

32M Multi Sensor Network Camera

01 **Key Feature**

- 4K (8MP) x 4ch multi-directional
  each sensor manually adjustable
- 30fps@8MP (3840x2160)
- H.265, H.264, MJPEG, Multi-streaming
- 4 of 2.8-12mm motorized autofocus lens
- 3D DNR, WDR, HLC, BLC, Smart IR, ROI encoding
- Intelligent Analytics
- Max. 30M IR night view distance
- White Light LED Max.15M
- 24VAC / 12VDC / PoE+ Power
- IP67 ingress protection, IK10
- Built-in micro SD card slot, up to 256GB
- Support three streams

02 **One camera shows 4CH Image**
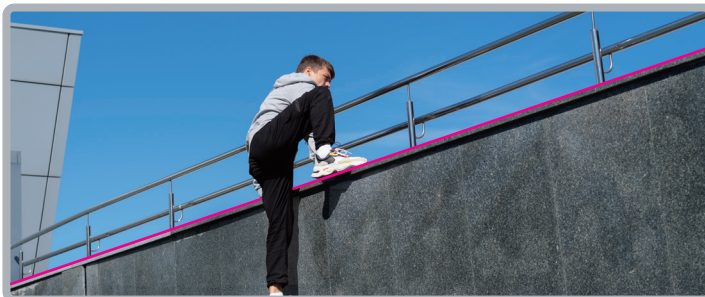
5M 33x Network PTZ Camera

01 Key Feature

- 5MP (2592 X 1944)H.265+ / H.264+ / MJPEG
- Max. resolution : 2592 X 1944
- Full Color / Active Deterrence Camera
- 4.3 ~ 142mm Motorized Lens (F1.6)
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- Built-in micro SD card slot, up to 256GB
- IP66 ingress protection
- DC12V / PoE power supply

02 Smart AI Technology

Auto Tracking

Utilizing the Pan/Tilt/Zoom functionality
from the camera, auto tracking allows the camera
to track moving object automatically.
The focused area is centered in the camera view
as long as possible with tracking ability,
ensuring no important detail is missing.

Line Crossing

Line crossing detects if an object crosses
a predefined line
based on the desired direction to monitor.
Alarm can be set to trigger if the detected
target is a human or a motorcycle, bicycle.

People Counting

Calculates the number of people
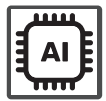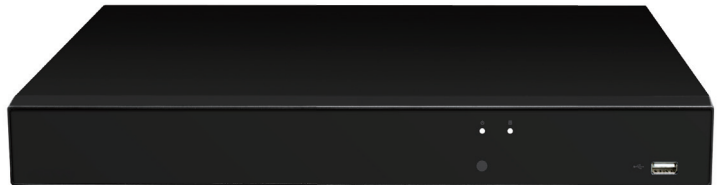entered and exited a designated area.

5M 33x Network PTZ Camera

03 **Specification**

CAMERA	
Image Sensor	1/2.7" Progressive Scan CMOS
Image Size	2592x1944
Shutter Speed	1/5s to 1/20000s
Min. Illumination	Color: 0.003 Lux @ (F1.6, AGC ON), B/W:0 Lux with IR
IR Distance	150M
Lens	4.3mm to 142mm @ F No. 1.6 H: 55(W) - 2.3(T)° V: 41.6(W) - 1.7(T)° D：67.9(W) - 2.8(T)°
PTZ	
Pan Range	360°
Pan Speed	Configurable from 0.6° to 200°/s; preset speed: 200°/s
Tilt Range	-10° to 90° (auto flip)
Tilt Speed	Configurable from 0.6° to 90°/s, preset speed 100°/s
Optical Zoom	33x
VIEDO IMAGE	
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Resolution	5MP(2592x1944) 4MP(2592x1520), 3MP(2048x1536 / 2304x1296), 1080P(1920x1080), 20P(1280x720), VGA(640x480),QVGA(320x240) @50/60 Hz
Main Stream	60Hz: 5MP(2592x1944) @ 20FPS / 4MP(2560x1440), 3MP(2048x1536 / 2304x1296), 1080P(1920x1080), 720P(1280x720) @ 30 FPS 50Hz: 5MP(2592x1944) @ 20FPS / 4MP(2560x1440), 3MP(2048x1536 / 2304x1296), 1080P(1920x1080), 720P(1280x720) @ 25 FPS
Video Bit Rate	256Kbps ~ 8Mbps
NETWORK / INTERFACE	
Network	RJ45 (10/100BASE-T)
Network Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Interface Protocol	ONVIF (Profile S/G/T)

FUNCTIONS	
Remote Monitoring	Avycon CMSONE, Avycon Moblie One
Smart Alarm	Motion detection
Smart Analytics	Face Recognition (FR) Human &Vehicle Detection (PD&VD) Perimeter Intrusion Detection (PID)
	Line Crossing Detection (LCD)
	Cross Counting (CC) Stationary Object Detection (SOD) Heat Map (HM) Crowd Density Detection (CD)
	Queue Lenght Detection (QD)
	license Plate Detection (LPD) Rare Sound Detection (RSD)
GENERAL	
Power Supply	DC 12V/POE+, max. 25.6W
Power Consumption	N/A
Operating Environment	-30 ℃ to 60 ℃
Dimensions	Ø206.4mm X 413.0 mm
Weight	3.7kg
Ingress Protection	IP66

Standalone NVR System

01 Key Feature

- H.265+ codec decoding
- Max. 112Mbps(16CH) input bandwidth
- Up to 8MP(4K) resolution for preview and playback
- Support to install up to 2 HDDs
  Max. total capacity of up to 36TB
- Full function network remote view via Internet
  (CMS, IE/Firefox/Chrome, Mac Safari)
- No limitation on adding devices to CMS
  Max. 128 channels preview (CMSONE)
- Support to save pictures/video to Dropbox storage (Dropbox)
- Support to save pictures/video to FTP server (built by user)
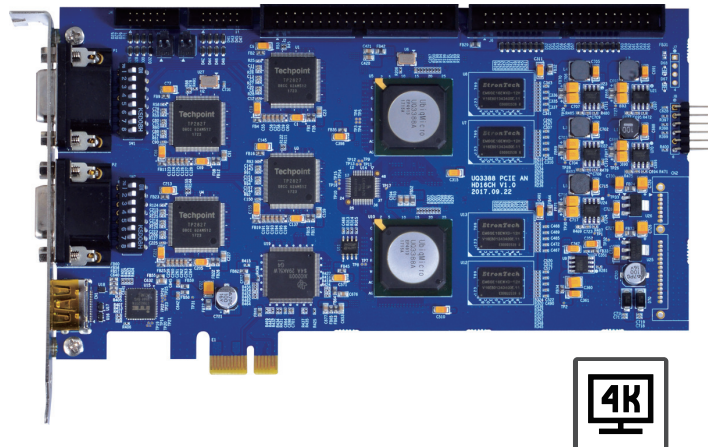- VGA/HDMI output up to 4K resolution

AI

02 Specification

VIDEO	
IP Video Input	16 Channels
Output	HDMI x 1: EDID / 3840 x 2160(4K) / 2560 x 1440(2K) / 1920 x 1080 / 1440 x 900 / 1280 x 1024 / 1280 x 720 / 1024 x 768
	VGA x 1: 1920 x 1080 / 1440 x 900 / 1280 x 1024 / 1280 x 720 / 1024 x 768
Incoming Bandwidth (Mbps)	112Mps
Outgoing Bandwidth (Mbps)	96Mps
Video Compression	H.265+ / H.265 / H.264+ / H.264
Audio Compression	G.711a
Installation Wizard	Yes
Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P:30fps

PLAYBACK	
Playback Frame Rate	8MP:45fps, 4MP:90fps, 2MP:180fps
Smart AI	Yes
Event Triggers	MD(Sensitivity Level 1~8), Video Loss, Beep, Email, Push Notification to Mobile App
Playback Function	Fast forward / backward (2x, 4x, 8x,16x), Slow forward (1/2x, 1/4x, 1/8x,1/16x)
Playback	Max 16CH playback

INTERFACE	
Password Reset	Factory Reset (Press 10 seconds)
HDD Interface	SATA x 2, Max 18TB HDD

SYSTEM	
PoE	16 x RJ45, 802.3at/af
Ethernet	1 RJ45 10 / 100 / 1000 Base
USB	USB 2.0 x 1 (Front Panel), USB 3.0 x 1 (Rear Panel)
Audio	1 IN / 2 OUT
E-Sata	No
RS485	1
Alarm Input/out	8 IN / 1 OUT

GENERAL	
OSD Language	English and more
Power Consumption	5W (Without HDD)
Power Supply	DC48V/3.75A
Working Environment	0° ~ 40°
Working Humidity	Less than 90%RH (Non-Condensing)
Dimensions	11.81" × 8.94" × 2.09" (300mm x 227mm x 53mm)

4K 16CH Video Capture Card
V4K-1216

01 Key Feature

- H.264 video compression
- 8CH G.711 audio compression
- Expandable up to 16CH Audio Input (Optional)
- Support 8M AHD, TVI, CVI, CVBS Camera
- Support up to 2160p(4K) for 16CH in real time live view
- 4CH UHD video compression 2160p@60fps + VGA@60fps
- H.264, MJPEG - Dual Streaming
- Motion detection, Video loss, Privacy masking
- Frame rate dynamic setup by OSD
- SPOT Monitor - 1x HDMI, 1x CVBS
- PCI-Ex1 Lan Port
- SDK in Windows OS, Linux OS

02 Specification

Model		V4K-1216
General	Encoder	UQ3388
	PCI Standard	PCI-Express 1.0x Gen2
	Multi-Card Operation	Support Max. 4 cards
	Sub Card	Audio Input 8Ch(RCA) with an audio expansion
Video	Input	16x BNC(AHD, TVI, CVI, CVBS Camera)
	Standard	1080P(25,30) / 720P(25,30,50,60)
	Preview Resolution	Max.1080P in real time, Support of main preview and sub preview
	Compression	H.264, MJPEG
	Encoding Speed	Max. 2160P@7.5fps for each channel
	Encoding Speed	Main Stream : 16CH x 2160p@7.5fps for each channel
		Extra Sub-Stream: Max. 640 x 480 with Max 480fps
	Bit Rate	256Kbps ~ 10Mbps
	Compressed Stream	Support,Full-channels@1080P,720P,1080P/8, 720P/8, including other sub-streams
	TV SPOT	1x HDMI(1920×1080), 2x CVBS, 1/16 display split
Audio	Input	8x RCA input, Additional 4x RCA input with Expansion sub card - Optional
	Compression	PCM, G.711-A law, Mu law, ADPCM
	Sampling Rate	8, 16bit (8KHz, 16KHz,32KHz, 44.1Khz)
	Bit Rate	Min. 64kbps
System Requirement	Operating System	Windows XP/7/8/10, Linux
	CPU	Intel or AMD
	Motherboard	Intel or AMD chipset PCI-E slot
	Memory	8GB Above
	Graphics	AMD, NVIDIA, Intel graphics cards
Environmental	Working Environment	-10 ~ +55℃ / 10~90%RH / 86~106kpa
	Power Requirement	12V±10%, 3.3V±10%
	Power Consumption	15W less
	Dimension	217mm x 105mm

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