



1. Company



ANHUI KEYE INTELLIGENT TECHNOLOGY CO., LTD

AI Vision System Solutions and Intelligent Equipments Provider
Chairman of East China Machine Vision Industry Alliance
Cradle of new technology for color sorters





Founder Team



PhD Team of USTC

Core R&D team is composed of PhDs from the USTC,
responsible for R&D of various fields of optical, mechanical,
electrics, algorithm and software



Dr. Yan Tianxin (CEO)

PhD of USTC
Expert in Visual System
Architecture and System Control



Dr. Tang Ling

PhD of USTC
Expert in
Optoelectromechanical Technology and
System Integration



Dr. Zheng ZG

PhD of USTC
Expert in Pattern
Recognition and
Intelligent System
Architecture



Dr. Huang Wei

PhD of USTC
Senior Product Line
Expert in Machine
Vision technology



Wang Min

Promoter of Global
Marketing Strategy



Core R&D team background



- 1.R&D and designed, technical supported 60,000 units of color sorters running in the world in past 20+ years!
- 2.In 2020, R&D team bought company KEYETECH which established in 2011, specialized in machine vision with AI technology.
- 3.Apply AI technology to color sorters since 2020, support other color sorter companies upgrade to AI technology.
4. In 2025, KEYETECH moved to the front, and promote it's own brand of AI color sorters.





Color sorter Next generation - AI sorters

CCD technology
RGB color sorters

NIR Sorters

Other type traditional
visible light sorters

Successfully fulfilled their historical mission in past 20 years!

Traditional color sorters:
Machine with fixed program

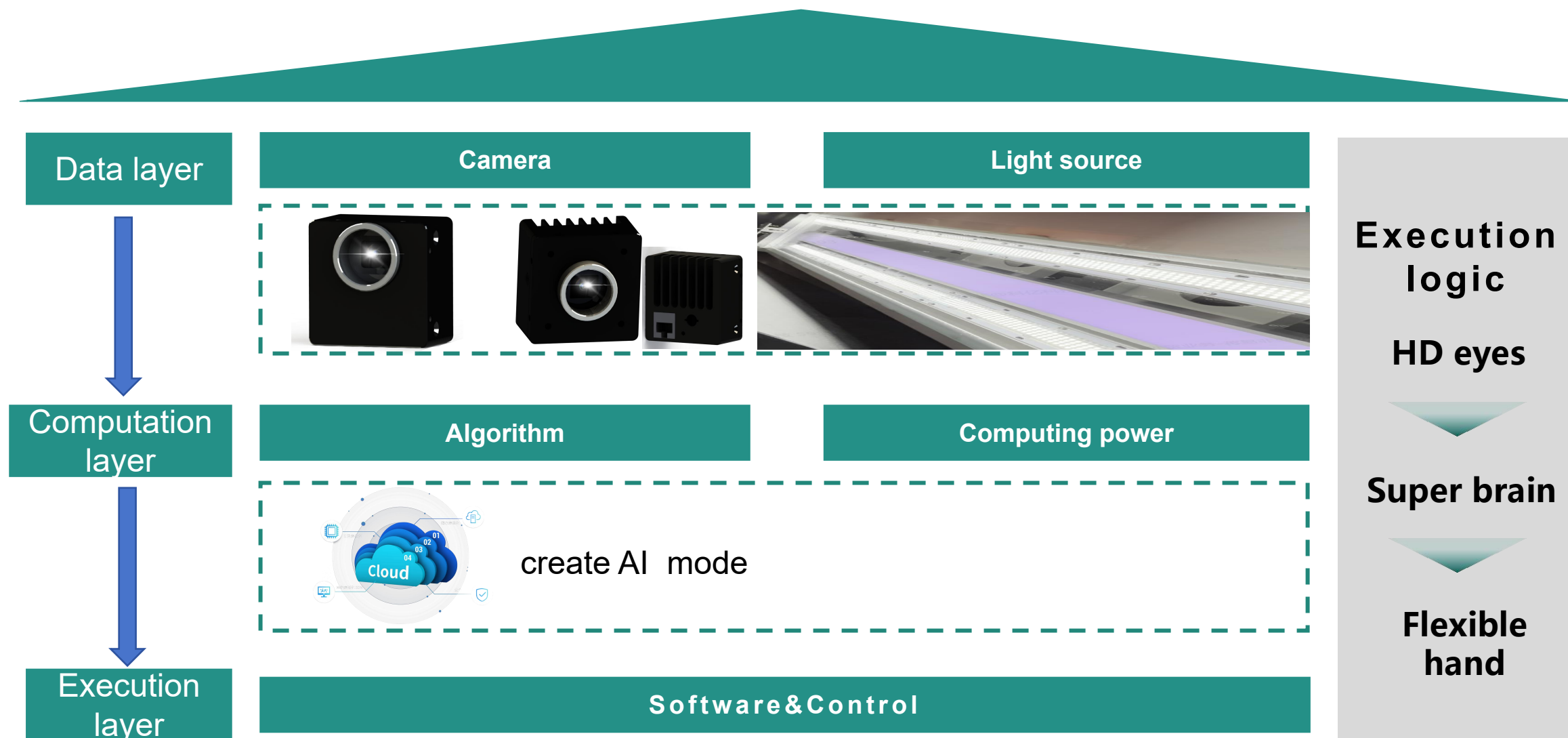
AI Sorters

AI color sorters:
Machine with thinking brain
Comprise lot of
Logic, Computation,
Reasoning, Judgment





AI Sorting Solution

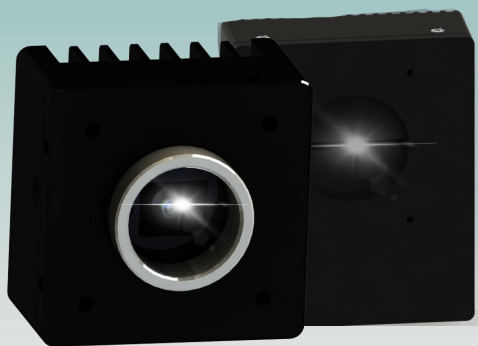




Keyetech key self-developed technology

— Camera

Intelligent
Area-array camera



◆ 2 million pixels, 470 frames/s

◆ With double chips: image process chip and Algorithm chip

Cancelled camera boards and sorting boards, reduce lot of parts repairs

Not sensitive to dusts or other light floating materials

There is communication between adjacent cameras

32 TOPS Computing power is integrated into the camera.

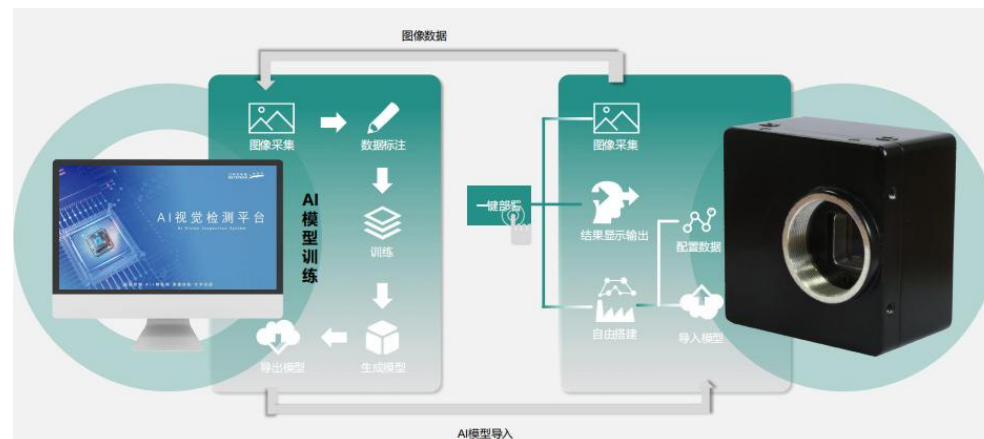
32 TOPS = 32 tera times of operations per second

NPU Chip

Deep neural network computing

500-1000PCS/S

Image processing capacity



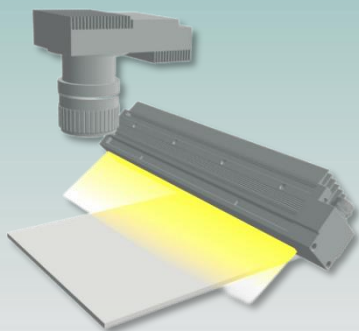


Keyetech key self-developed technology

-LED light source

Linear Light Source

Areal Light Source



Self-Developed Light Source



Linear

Highlight, spotlight

**Features: Constant current, high-frequency PWM dimming
low heat**



Areal

Flat emitting surface emits diffuse light

Features: Good uniformity, high brightness

30,000+ hours lifespan



Keyetech key self-developed technology

— *Algorithm*

Cloud Private Service

Cloud Stand Alone



KVIS-CLOUD

KVIS-CLOUD as the core, we developed AI visual edge computing power and imaging hardware platforms, as well as AI visual human-computer interaction and control system software.

Cloud Private Service Version

KVIS-CLOUD is a visual big data cloud platform based on AI deep learning. It is currently applied in industries such as food, mining, recycling, effectively solving a series of problems such as product defects, classification.

Cloud Stand- Alone Version

Built in multiple algorithm components to help users quickly build and iterate AI models.



Keyetech AI sorters (each chute: 340mm with 99 channels) 15.6 inch touch screen

科亿科技
KEYETECH



6SXZ-99C



6SXZ-198C



6SXZ-297C



6SXZ-396C



6SXZ-495C



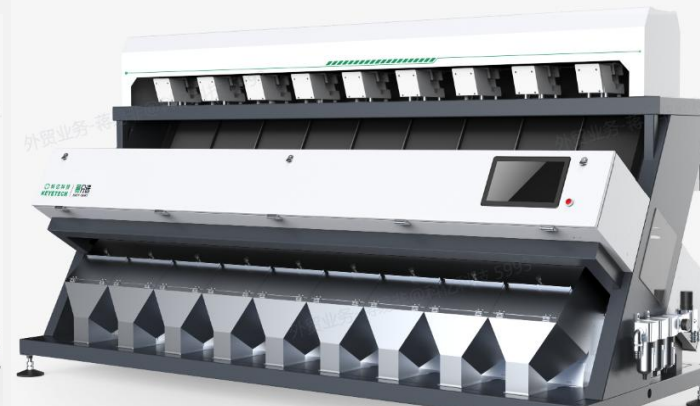
6SXZ-594C



6SXZ-693C



6SXZ-792C



6SXZ-891C



6SXZ-990C



PARAMETER

技术参数

Voltage can be customized

型号 Model	整机功率 Power(KW)	电源电压 Voltage /Hz	气源气压 Air pressure (Mpa)	气源消耗 Air consumption (m³/min)	尺寸 Dimension (L*W*H mm)
6SXZ-99C	1.2	220V50Hz	0.5-0.8	< 1.1	1124*1466*1840
6SXZ-198C	1.7	220V50Hz	0.5-0.8	< 2.2	1469*1466*1840
6SXZ-297C	2.4	220V50Hz	0.5-0.8	< 3.3	1814*1466*1840
6SXZ-396C	2.9	220V50Hz	0.5-0.8	< 4.4	2159*1466*1840
6SXZ-495C	3.6	220V50Hz	0.5-0.8	< 5.5	2504*1466*1840
6SXZ-594C	4.1	220V50Hz	0.5-0.8	< 6.5	2962*1466*1840
6SXZ-693C	4.7	220V50Hz	0.5-0.8	< 7.6	3302*1466*1840
6SXZ-792C	5.4	220V50Hz	0.5-0.8	< 8.5	3652*1466*1840
6SXZ-891C	6.1	220V50Hz	0.5-0.8	< 9.8	3992*1466*1840
6SXZ-990C	6.8	220V50Hz	0.5-0.8	< 10.9	4337*1466*1840



Keyetech AI sorters (belt type 21 inch touch screen)

科亿科技
KEYETECH



6SXZ-63LFI (300mm belt)



6SXZ-126LFI (600mm belt)



6SXZ-252LFI (1200mm belt)



6SXZ-504LFI II
(1200mm belt- 2 layers)



6SXZ-378LFI (1800mm belt)



6SXZ-756LFI II
(1800mm belt- 2 layers)



Technical parameters

Voltage can be customized



Model	Power (kW)	Voltage/Hz (V)	Air pressure (Mpa)	Gas source consumption (m ³ /min)	Dimension (L*W*H mm)
6SXZ-126LFI	5	220V/50Hz	0.5-0.8	<0.8	2662x1000x1551
6SXZ-252LFI	5.3	220V/50Hz	0.5-0.8	<1.6	2662x1600x1551
6SXZ-504LFII	9	220V/50Hz	0.5-0.8	<4.4	2841x1600x2341
6SXZ-378LFI	6	220V/50Hz	0.5-0.8	<2.4	2662x2200x1551
6SXZ-756LFII	9.8	220V/50Hz	0.5-0.8	<6.6	2841x2200x2341



Advantages of Keyetech AI sorters



32 TOPS computing power(popular brands on market is 2-3 TOPS), this causes:

1. *Keyetech's AI sorters are much **shorter** than all other Chinese Brands, because response much **faster**.*
2. *Keyetech's AI sorters can create AI mode in machine quicker, no need to connect extra computers or send photos back to company.*



Intelligent Area-array camera with double chips. 2 million pixels, 470 frames/s

1. *2 million*470 =940,000,000 pixels/s, take multi images for one product from different angles because of product moving&rotating when falls down, so can get product 3D photo.*

*The traditional lining camera 4096pixels *21600 lines/s =88,473,600 pixels/s, it's a 2D photo.*

2. *Two chips in camera, cancelled camera board and sorting board, reduce lot of parts repaires*
3. *Not sensitive to dusts*
4. *There is communication between adjacent cameras*



Time of delay: 2 delays, 1 for AI, 1 for color



Vibrator: Use electromagnet instead of iron column with coils, stronger driving force, higher uniformity and consistency



Advantages of Keyetech AI sorters



Chute: 340mm with 99 channels, capacity much higher than other brands(300mm with 63&64 channels)



Light source: RGBW instead of RGB. The combined colors are more close to show material real color, more like natural light, which makes the photo imaging better and sorting better.



Large space in sorting cabinet, much less dusts can stay on glass, materials can't break the glass
The space is twice larger than others



Hidden ejector air tubes, well protected, the material or dusts can't contact, longer lifespan.



All parts feature convenient disassembly and replacement, include ejectors, belt, etc. belt can be replaced in 15 min by 1 person.



Ejector: 1200Hz, 0.06ms response time, 13 billion times of lifespan



21 inch touch screen. easy to annotate images.



The cloud platform allows users to create independent accounts, download and replicate algorithm models, interface with the company's servers, and ensures data security.

For all above reasons, Keyetech AI sorter's price is higher than all other Chinese Brands



Patents

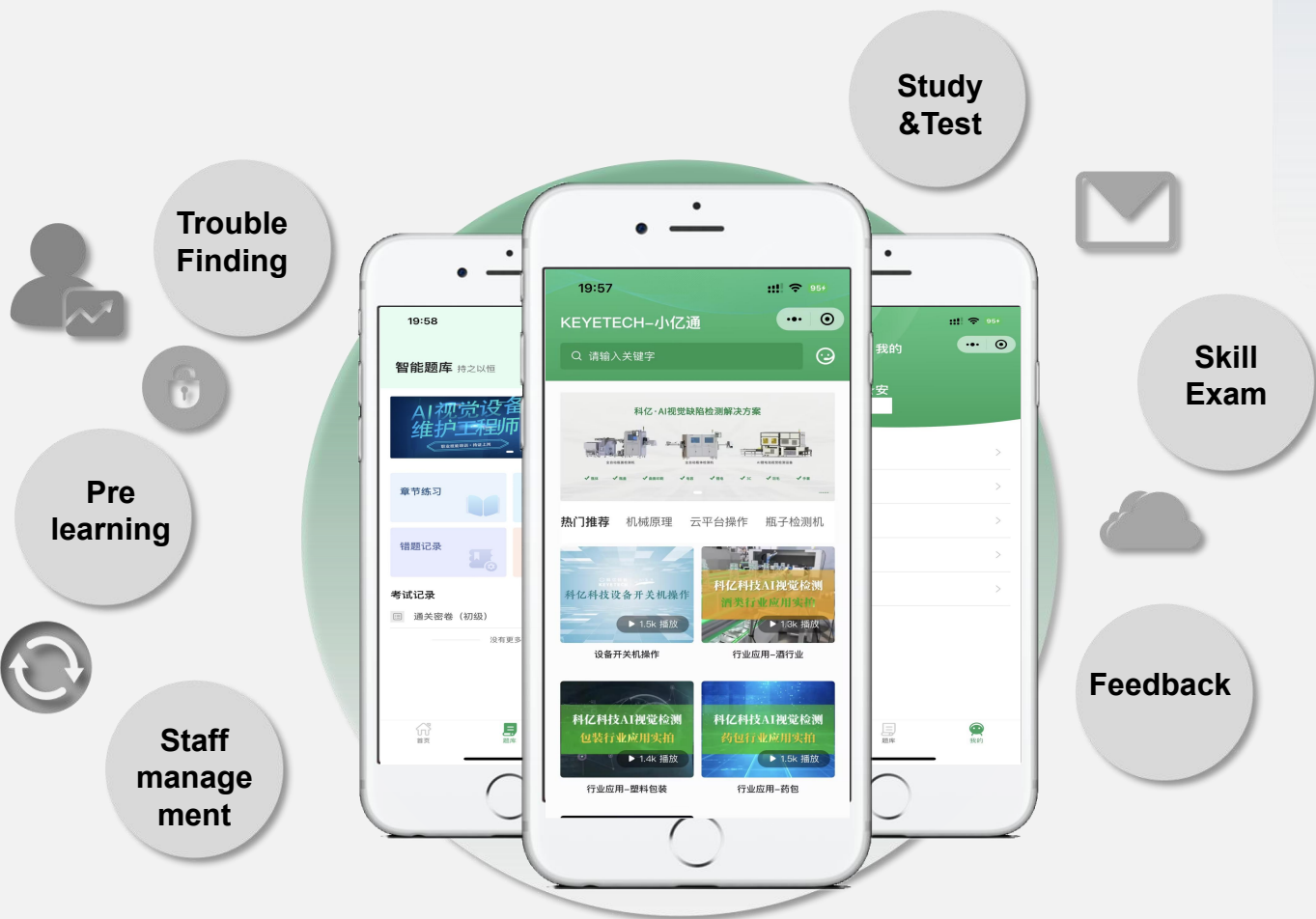
科亿科技
KEYETECH

- 50 patent items (13 invention ones, 19 utility new models, 17 software copyrights, and 1 appearance design) before Jan, 2025.





After Sales Service App



Installation

7x24h/Remote maintenance

Seasonal/Training Class

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Thank you!

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