

## JAKA All-in-one Cobots

New Generation Tri-co Cobot

Renew the cobot design principles by JAKA S<sup>3</sup>

Smart, Simple, Small



JAKA Ai 3



JAKA Ai 7



JAKA Ai 12



JAKA Ai 18

### Product Description

JAKA All-in-one Cobots innovatively adopting the product design principles of JAKA S<sup>3</sup> (Smart, Simple, Small), and integrating with advanced robot technologies such as wireless teaching, graphical programming and visual protection, it revolutionizes the way of Human-Cobot interaction, improves the safety of human-machine cooperation and greatly reduces the threshold of robots using. Meanwhile, JAKA All-in-one Cobots deeply integrates plug-and-play vision to ensure the natural interaction and autonomous adaptation among cobot, human and operating environment, which significantly broadens the application boundary of robot.



## Product Innovation

- **Smart:** Intelligent Programming and Active Protection. Intelligent learning algorithm and autonomous system can identify the intent of a person or other device.
- **Simple:** Benefit from Vision & Force Control, Robot Self-learning, Ai and other technologies, JAKA All-in-one Cobots can interact with human naturally, so as to realize Human-COBOT cooperation.
- **Small:** The development of intelligent product form is highly integrated, flexible and small. With the benefits of All-in-one technologies, such as Biology, Mechanics, Electronics and Photonics, achieve the ultimate compact intelligent hardware product form.

## Parameter Of Electrical Cabinet

Device	JAKA MiniCab
Vin	DC30~60V
Iout	≤40A
Size	180×128×47 (mm) (L×W×H)
IP Level	IP20
I/O	7 Digital input: I/O configurable
I/O Power	DC24V
Fixed Form	Panel/Guide Rail
Interface	TCP/IP, Modbus TCP, Modbus RTU
Weight	About 1.1 kg
Material	AL, Steel

## Parameter Of Lens 2D

Size	67×57×45mm(LxWxH)
Communication Interface	Ethernet Interfaces (TCP/IP Protocol)
Trigger Mode	Soft trigger
PX	500w
Resolution	2592(H)×1944(V)
FPS	14FPS
Focus	8mm

## Recommend Applications

JAKA All-in-one Cobots can be widely applied in smart industry production lines of automobile and relatives industries, medical instruments, 3C electronic, lithium electricity, food, chemical fiber, service and other industries. JAKA All-in-one Cobots can be used to realize intelligent automation requirements and secure Human-COBOT in industrial and life scenarios such as high-precision assembly applications in automobile industry, multi-directional Human-COBOT collaboration in medical care industry, and new business models in service field. Meanwhile, the combination of JAKA All-in-one Cobots and AGV has a wider range of applications and richer functions.

