

3-6 axis dispensing control system



DJ904V (3 and 4 axis drive and control)

DJ8849V (3 and 4 axis)

DJ1600V (6 and 6 axis)

- Number of controllable axes: 3-6 axes
- DJ904V (drive-control integrated) integrated stepper drive supports two-phase 42 or 57 open-loop stepper motors
- PLT, TCF, G code map
- Multiple processing methods
- Trajectories and corners can be optimized separately

Control function

- 2-6 axis interpolation, support for space straight line, space arc, space ellipse, spline curve
- Adopt speed look-ahead algorithm, automatic arc corner speed, and automatic corner turning point
- Support standard Modbus ASCII, Modbus RTU and Modbus TCP communication protocols
- Supports LUA script function designed to solve non-standard processes
- Supports rich processing instructions such as space shift, straight line, ellipse, spline curve, file call, and open user-defined instructions (customers can write specific instructions for specific instructions)
- Computer can import PLT files and G code files
- Image preview and real-time dynamic display processing track
- Multiple processing methods such as cycle processing, single processing, automatic processing, single-step processing, etc.
- File teaching and editing functions, providing advanced editing functions such as batch modification, array copying, graphic translation, graphic scaling, automatic rounded corners, etc., with common graphic libraries for customers to call.

IO

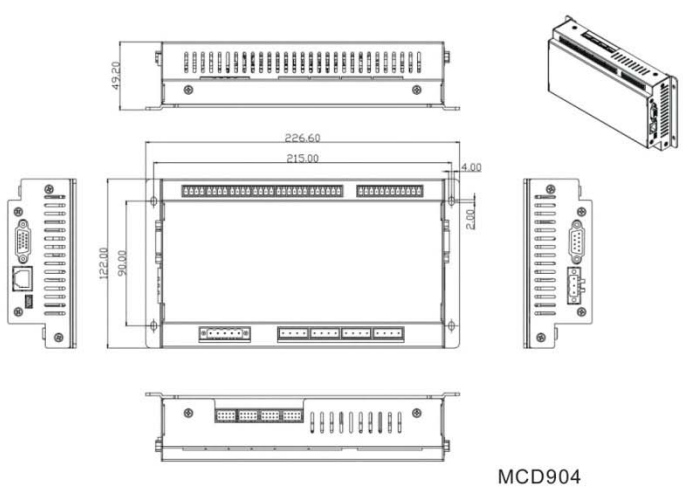
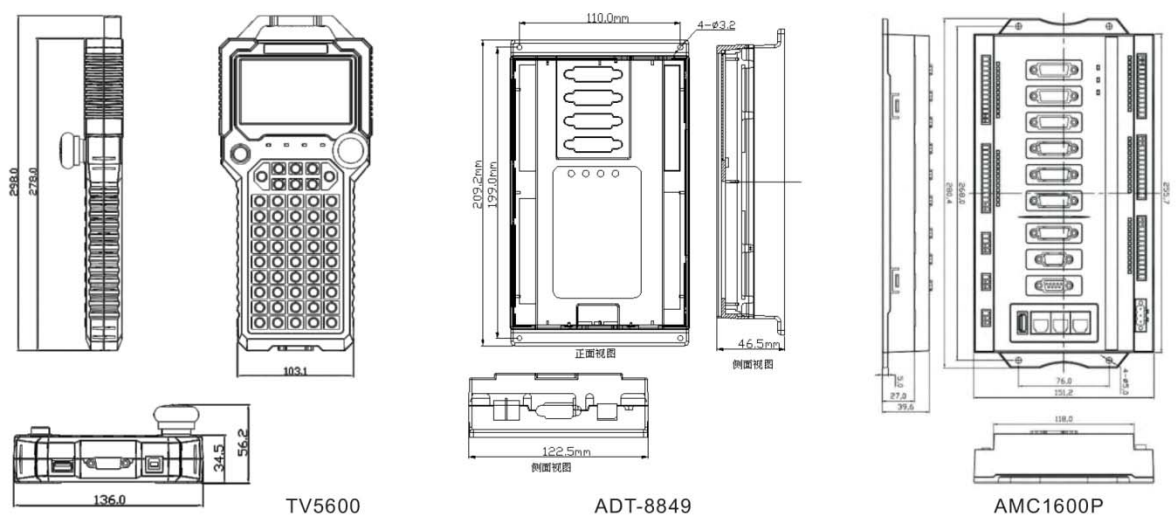
- Input type: all optocoupler isolation, NPN open collector 5-24VDC, rated current 0.5A, single channel maximum current can reach 1A
- Input type: all optocoupler isolation, input voltage: 12-24V
- Hardware positive and negative limit, origin and stop of each axis, start external button (limit input can be set to invalid as general input)

Application Environment

- Operating temperature: 45°C
- Storage temperature: -40°C — 55°C
- Working humidity: 40% — 80%
- Storage humidity: 0% — 95%

Size description

unit : mm



Application area



4-6 axis vision dispensing control system



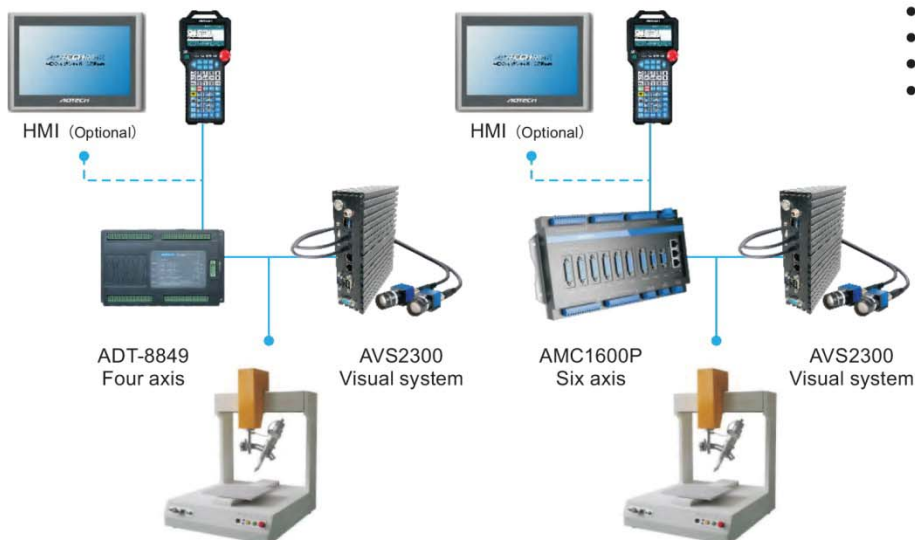
- Number of controllable axes: 4-6 axes
- Maximum pulse frequency
- Supports touch screen or handheld box
- Support visual positioning correction



Control function

- 2-6 axis interpolation, support for space straight line, space arc, space ellipse, spline curve
- Adopt speed look-ahead algorithm, automatic arc corner speed, and automatic corner turning point
- Support standard Modbus ASCII, Modbus RTU and Modbus TCP communication protocols
- Supports LUA script function designed to solve non-standard processes
- Supports rich processing instructions such as space shift, straight line, ellipse, spline curve, file call, and open user-defined instructions
- Cooperate with vision, support camera teaching, needle teaching two modes
- Support multiple MARK points, multiple templates, can support up to 200 MARKs for independent correction
- Support visual one-click calibration to calculate pixel units
- Supports mechanical one-touch needle calibration, calculates the mechanical distance between the camera and the needle

Wiring diagram

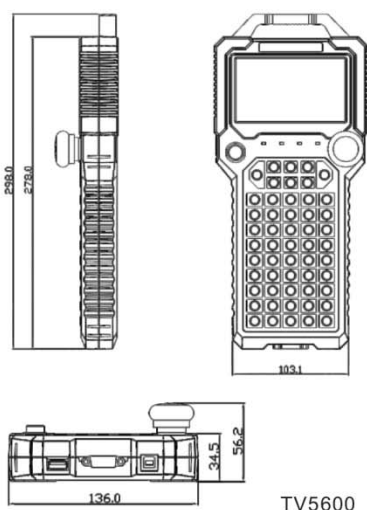


Application Environment

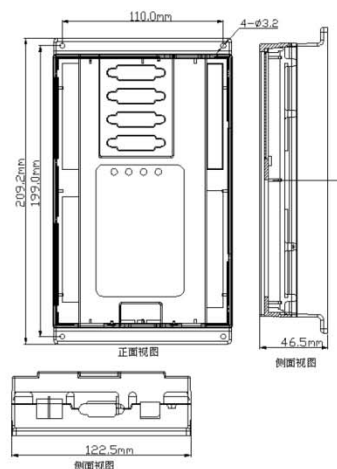
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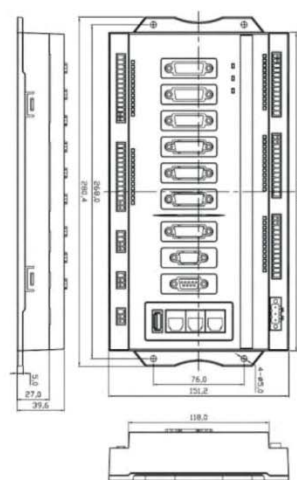
unit : mm



TV5600



ADT-8849



AMC1600P

Application area



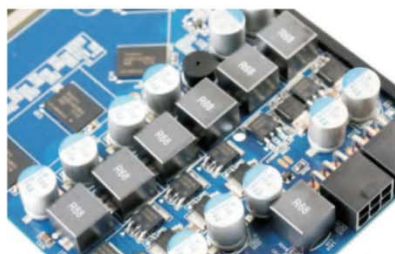
Electroacoustic industry



Inductance industry



Communications industry



Electronics industry



LED industry