Signal fire



AI-5 Pro

OPTICAL FIBER FUSION SPLICER

Suitable for security monitoring projects

1

SIGNAL FIRE INTELLIGENT MANUFACTURING



SIX MOTORS

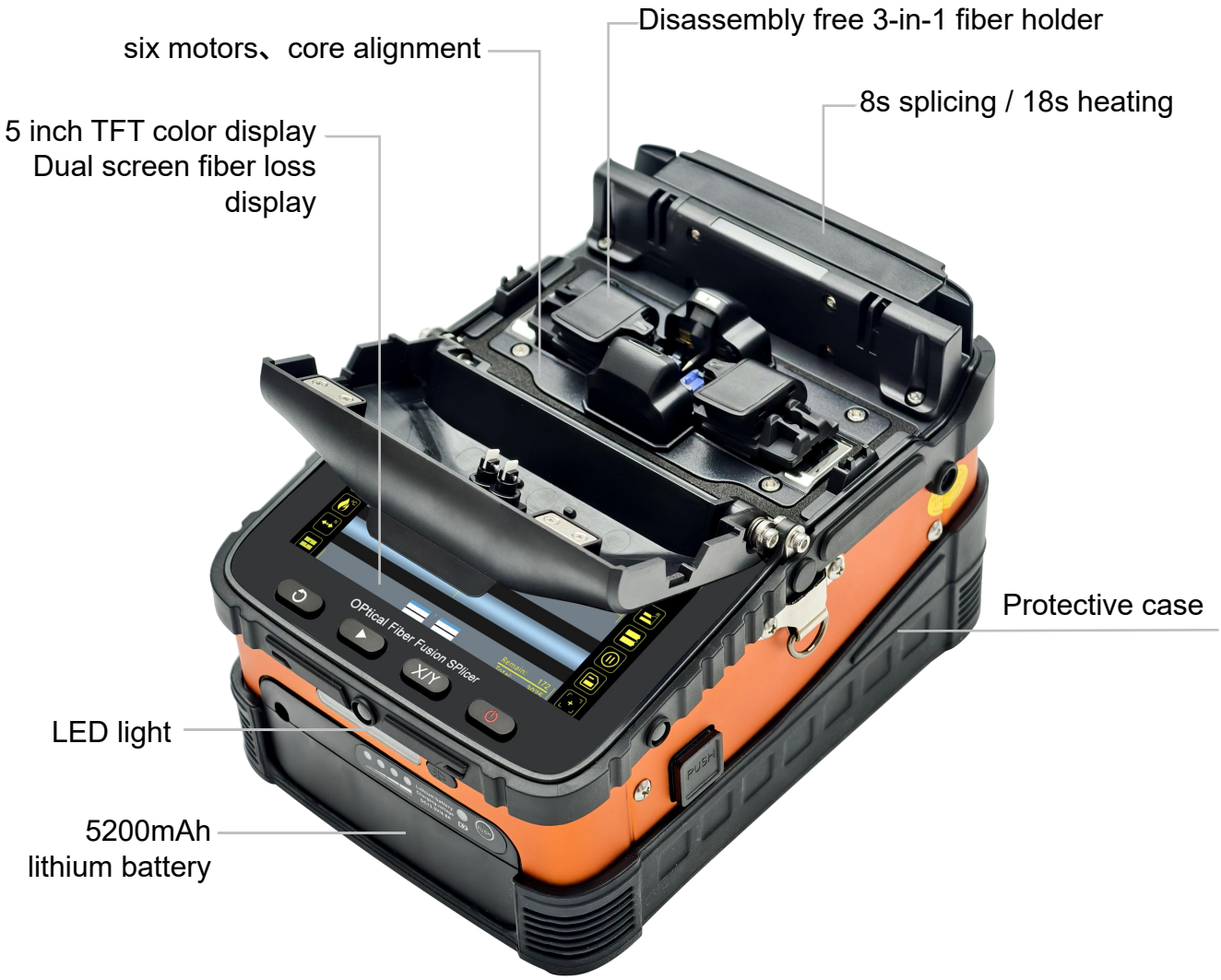
CORE ALIGNMENT

8S SPLICING

18S HEATING

Signal Fire AI-5Pro is mainly suitable for security monitoring and other engineering projects. six motors、core alignment，Adopting a 5-inch color screen, the operation graphics are simple and intuitive; Up to 320x focusing magnification, 8 second high-speed splicing, 18 second heating, with a 50% increase in work efficiency compared to ordinary fusion machines; The 5200mAh lithium battery can fuse and heat about 160 cells when fully charged. Its unique lighting design makes it convenient for night construction or emergency repairs.

SUPER COST-EFFECTIVE



METAL BODY

BEAUTIFUL DETAILS



5200mAh lithium battery



Charging time ≤3.0 hours

In full state, 160 cores can be continuously fused and heated

Charging mouth

Input voltage :13.5±0.5V

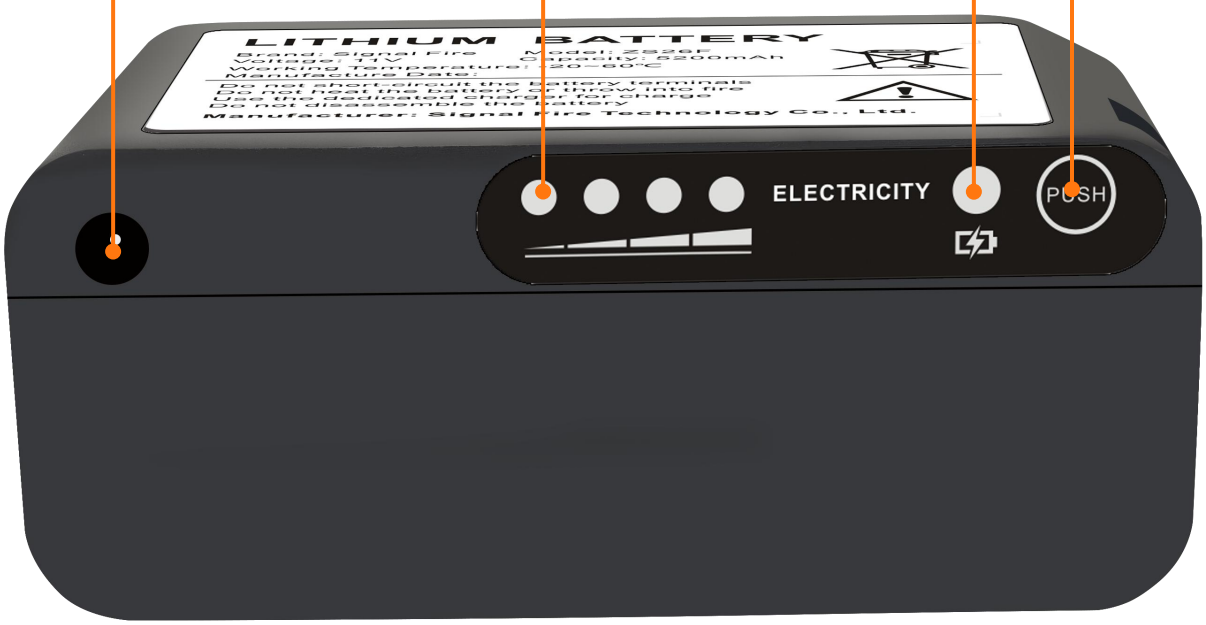
Input current :4.8A

Power indicator light

Charge indicator light

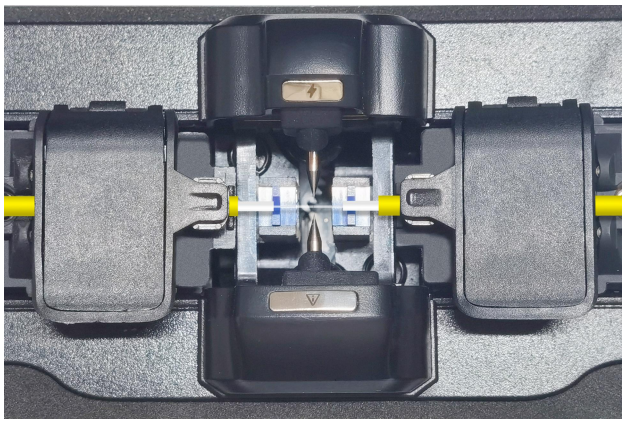
Indicator light turns off when fully charged

Press to check the power level

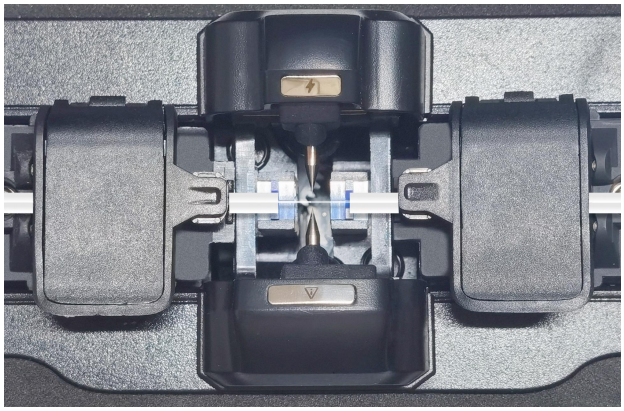


3 in 1 fiber holder

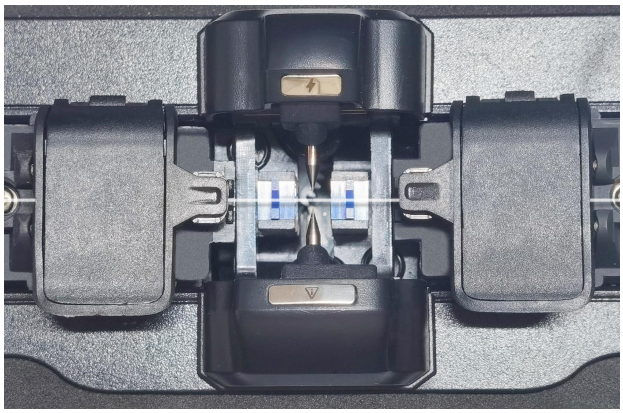
SM, MM, bare fiber, pigtail, Drop cable, multi fiber cable



Jumper fiber (pigtail)



Drop cable



Bare fiber

Dust prevention
fall prevention
shock prevention



Thickened buffer structure

Don't be afraid to knock! Touch! Fall!

Lighting for splicer

Convenient for night operation



Basic parameter

Fiber alignment	Core/cladding
Motor number	Six motors （accurate of fiber alignment：0.5μm）
Splicing time	8s
Heating mode	18s， can be customized according to the external environment
Fiber type	Single-mode fiber (SMF/G.652), multimode fiber (MMF/G.651), dispersion-shifted fiber(DSF/G.653), non-zero dispersion-shifted fiber (NZ-DSF/G.655), and bend-insensitive fiber (BIF/G.657); suitable for splicing bare fiber, pigtail, drop fiber, patch cord, and invisible fiber.
The cladding diameter	80-150 μm
Splicing loss	0.02dB（SM）、0.01dB（MM）0.04dB（DS/NZDS）
Splicing mode	Automatic focusing core alignment, conventional/high precision welding
Splicing way	Automatic, semi-automatic
Fiber holder	Three in one fixture, no need to change, suitable for single/multi-mode, multi-core cable/bare fiber, tail fiber, jumper fiber,drop cable
Battery capacity	5200mAh large capacity lithium battery charging time ≤3.5; It can continuously weld and heat about 160 cores
Magnification	320x (X or Y axis single display)，160x (x and Y axis dual display)
Fiber diameter	Coating diameter: 80-150μm/Coating diameter: 100-1000μm
Cutting length	Coating layer 250μm below: 8-16mm/coating layer 250-1000μm: 16mm
Heat shrink tube	60mm、50mm、40mm、25mm
Tensile testing	standard 2N
display	5 inch TFT color display screen
Boot time	1s, boot can enter the working mode
Data is stored	Unlimited, machine storage 1000 groups, the excess part can be stored in the server, can export data.
Wireless communication	Based on bluetooth 4.2 protocol standard, the working band is 2.4GHz, the maximum transmission range is 60m
Software upgrade	Mobile phone APP Internet update, enable Bluetooth synchronization upgrade machine software
Management function	The equipment owner can be bound as the highest authority, and can remotely view the welding records, welding time, loss, etc. through the mobile phone APP. The number of welding times or working time of the equipment can be set. The manager can effectively manage a single or multiple equipment.
interface	USB2.0 (Type A) can be used to connect external LED lights and charge mobile devices
Return loss	Better than 60 db
Product protection	Waterproof, dustproof and fall proof
Power supply	Input AC100-240V 50/60Hz, output DC13.5V/4.8A, the current power mode can be identified, real-time monitoring of the current battery level
The work environment	Temperature: -15 ~ +50℃, humidity: < 95%RH (no condensation), working altitude: 0 ~ 5000m, maximum wind speed: ≤15m/s

RANDOM CONFIGURATION



❶Main engine ❷Toolkit ❸S07 Fiber Cleaver

❹Alcohol Bottle ❺Wire stripping pliers ❻Miller stripper

❼Belt ❽Toolbox strap ❾Power Adapter ❿Fiber for ARC calibration/User’ s manual/Quality Certificate/Warranty Card

Size and wight



Machine weight

2.05kg (with battery)

1.68kg (without battery)



Toolkit weight

3.50kg

(including machine and accessories)



Total weight

4. 05kg

SERVICE COMMITMENT

Three years warranty, but these circumstances are not within the scope of this provision.

01.Except for the cleaver, miller clamp, stripping pliers, fiber holders and other tools whose life depends on the frequency of use and the use of the environment. Also electrodes are consumption material which are not in the warranty.

02.Battery and power adapter are warranty for one year, it is in free warranty where it is damaged or can not be charged in one year.