



EXPERIENCE THE DIFFERENCE  
YOUR SECURITY & SAFETY PRODUCTS

# NIGHT VISION & THERMAL IMAGING

CATALOG





## Company Introduction

**C4i-communication** is a high - tech enterprise specializing in the optoelectronic field. We are committed to providing customers with full -stack solutions from core modules to terminal products. We have established two major brands, C4I and C4I system, covering a wide range of businesses such as core modules, individual tactical equipment, vehicle-mounted photoelectric equipment, photoelectric rangefinding systems, and C4I-UAS.

We have gathered a group of experienced professionals who possess profound knowledge and practical experience in the optoelectronic field. We are customer-oriented and provide tailored services to meet the diverse requirements of different customers.

Adhering to the concept of continuous innovation, SailRay Optical is engaged in exploring the development of photoelectric technologies, and strives to bring more innovation and value to the industry and customers.





## Brand Layout-C4I

C4I is a pioneering brand in infrared and night vision devices, focusing on developing outstanding products from the underlying technology.

C4I Monster adheres to the concept of "Vision is Survival" and is committed to enhancing soldiers' perception and protection capabilities to gain maximum advantage.

The brand has established a comprehensive service system throughout the product life cycle, forming a closed loop from demand analysis, customized development to after - sales maintenance. It achieves a 48 - hour emergency response through distributed global service centers. Based on excellent product performance and meticulous customer service, C4I Monster has won unanimous recognition from international customers.



## Brand Layout-C4I

### Cooled Infrared Detector



Cooled Infrared  
Detector



Cooled Infrared  
Module



Cooled Infrared  
Product

### Individual Tactical Equipment



Thermal Imagers And  
Night Vision Goggles



Sights



Infrared Binoculars

### Vehicle-Mounted Optical System



Dual-Spectrum Vehicle-  
Mounted Thermal Cameras



Stitching Vehicle-  
Mounted Thermal Cameras



## Brand Layout–C4I system

### **C4I system – The Innovator of Airspace Awareness and Countermeasure Technologies**

As a pioneer in cutting – edge unmanned aerial vehicle (UAV) system solutions, C4I system focuses on providing intelligent and multi – dimensional airspace control capabilities for modern security and military fields.

Centered around underlying technological innovation, the brand integrates infrared thermal imaging, visible – light sensing, laser rangefinding, and AI algorithms to create all – weather, high – precision UAV pod devices and countermeasure systems, endowing users with full – domain control against complex environments.

Thanks to its modular expansion capabilities and customized services, C4I system has provided efficient solutions for security agencies in many countries around the world and established a 7×24 – hour full – time response technical support network. In the future, C4I system will keep deepening the integration of intelligent perception and autonomous countermeasure technologies, aiming to become the absolute benchmark in the fields of airspace reconnaissance and defense.



## Dynamic Load Optical System



2-Axis Stability  
Augmentation Gimbals



3-Axis Stability  
Augmentation Gimbals

## Counter -UAS



Detection-  
Identification-Tracking



Neutralization

The image features a central text element surrounded by a decorative pattern of diagonal lines. The lines are in two colors: a dark blue and a grey. They are scattered across the white background, some appearing as thin lines and others as thicker bars, all oriented at various angles, primarily between 45 and 135 degrees.

## INDIVIDUAL TACTICAL EQUIPMENT



# Product Line Overview

## C4I Series

### Thermal Imagers And Night Vision Goggles

1 C4I-C



2 C4I-FM



3 C4I-FB



4 C4I-ML



5 C4I-MU



6 C4I-I4



7 C4I-3I



8 C4I-3IH



9 C4I-7



## C4I Series

### Infrared Binoculars and Laser Rangefinder

1 C4I-BE PRO



2 C4I-B



3 C4I-BHM



4 C4I-BHF



5 C4I-BHS



6 C4I-X



7 C4I-BASE



## C4I Series

### Sights

1 C4I-IS



2 C4I-CM



3 C4I-CH



4 C4I-TS



5 C4I-TM



6 C4I-TH

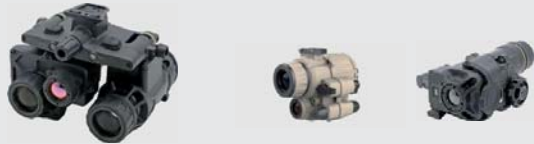




# C4I Series—Thermal Imagers and Night Vision Goggles

1

## Enhanced Thermal Imagers



### Enhanced Night Vision Goggles/Binocular Goggles/Clip-ON Thermal Imager

Next-Generation Night Vision Fusion Technology

Swiftly Discern Targets



2

## Binocular Thermal Imagers



### Four-in-One: Hand held/Head-Mounted/Thermal Sight/Clip-ON

High-Strength PEEK Material

Withstanding 1,000G Impact

APP Wireless Image Transmission

200g Lightweight And Portable



3

## Night Vision Goggle



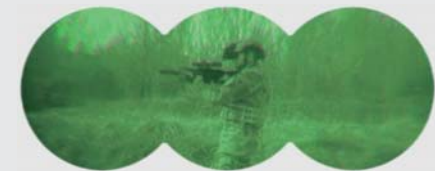
### 2+ Generation Image Intensifier Tubes

High-Strength PEEK Material

20M Water Resistance

Adjustable IPD

Power-Off By Side-Turning The Support





## C4I Series-Sights

### Clip-ON Thermal Sight



### Thermal Sight



Light - Medium-Heavy

High-precision  
Rangefinder

Digital agnetic  
Compass

WiFi Image  
Transmission

Bluetooth Remote  
Control



## C4I Series-Sights-Intelligent Fire Control System

**RECOGNIZE**  
-  
**LOCK**  
-  
**TRACK**



**BALLISTIC**  
**CALCULATION**



**C4I-IS**


Control System Intelligent Fire

# C4I- Series-Infrared Binoculars



## C4I-BE PRO

**Cooled MWIR Infrared  
Multi-Function  
Binoculars**


 Continuous Zoom

 Ultra-Long  
Observation Distance

## C4I-B


**Five Optical  
Channels Multi-  
Function Binoculars**


 High-Definition Fusion Imaging

 Five Optical Channels

## C4I-BHF

**HD Fusion  
Binoculars**


 GPS Precise Positioning

 Ultra-Long Battery Life

## C4I-BHM


**Three Optical  
channels  
HD Binoculars**

 EO/IR High-Definition Imaging

 Lightweight and Portable

## C4I-BHS

**Intelligent  
Binoculars**

 Intelligent Recognition



## C4I- Series-Ground Station and Laser Rangefinder



### C4I-BASE

#### Portable Thermal Imager Ground Station

#### Features

- ◆ Rapid Installation and Deployment
- ◆ Excellent Performance In Extreme Conditions
- ◆ Remote Omnidirectional Real-Time Control
  - ◆ Accurate and Fast Motion



### C4I-X

#### Series Handheld Laser Rangefinder

#### Features

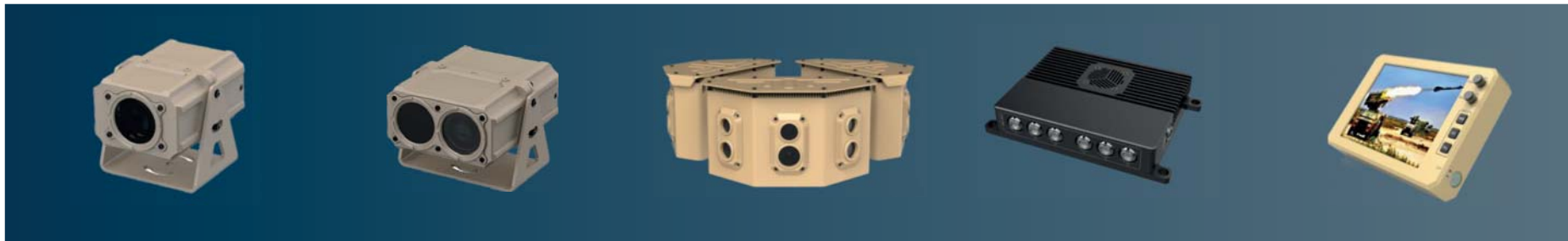
- ◆ One-Handed Operation
- ◆ GPS/Beidou/GLONASS
- ◆ Ballistic Calculation
- ◆ Ranging Distance z3500/6000/10000m



**VEHICLE-MOUNTED OPTICAL SYSTEM**



# C4I Series Vehicle-Mounted Thermal Cameras



**C4I-B**

**Vehicle-Mounted Thermal Camera**

**C4I-BF**

**Dual-Spectrum Vehicle-Mounted Thermal Camera**

**C4I-J**

**Stitching Vehicle-Mounted Thermal Camera**

**AI BOX-6CH**

**C4I**

**TZD084P Monitor**

**Features**

- ◆ 640×512,12μm
- ◆ -40°C~+70°C
- ◆ 60ms Low Latency
- ◆ Electromagnetic Compatibility
- ◆ High Reliability
- ◆ Wide FOV 55°/90°/120°
- ◆ Supports up to 6-Channel AI recognition
- ◆ 8-inch Screen(Optional)



The image features a central text element surrounded by several diagonal bars of varying lengths and colors (dark blue and grey) scattered across the white background. The bars are oriented at approximately 45-degree angles, creating a dynamic, geometric composition.

## **DYNAMIC LOAD OPTICAL SYSTEM**



## Product Line Overview



**2-Axis Gimbals**

C4I-E Series



**3-Axis Gimbals**

C4I-MT Series



## C4I-E Series Gimbals



**C4I-E180D**

**C4I-E180TF/TZS**

**C4I-E150D**

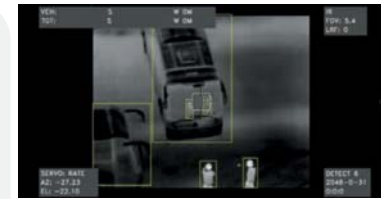
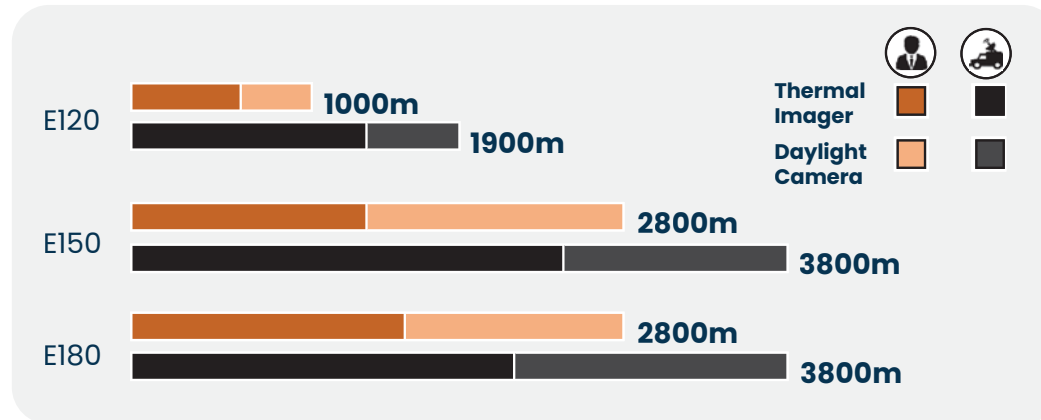
**C4I-E150TS**

**C4I-E120D**

**C4I-E120T**

### 2-Axis Stabilization

- Day & Night surveillance
- AI & Tracking
- Scan & Search
- Image Fusion & Split-Screen
- Target Geolocation





## C4I-E Series Gimbals

### 3-Axis Stabilization

- High-definition image quality
- Excellent Performance of Video
- Analytics Multi-servo working modes
- SWaP Design



C4I-MT60D



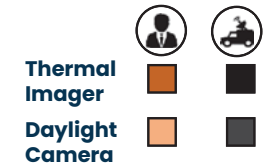
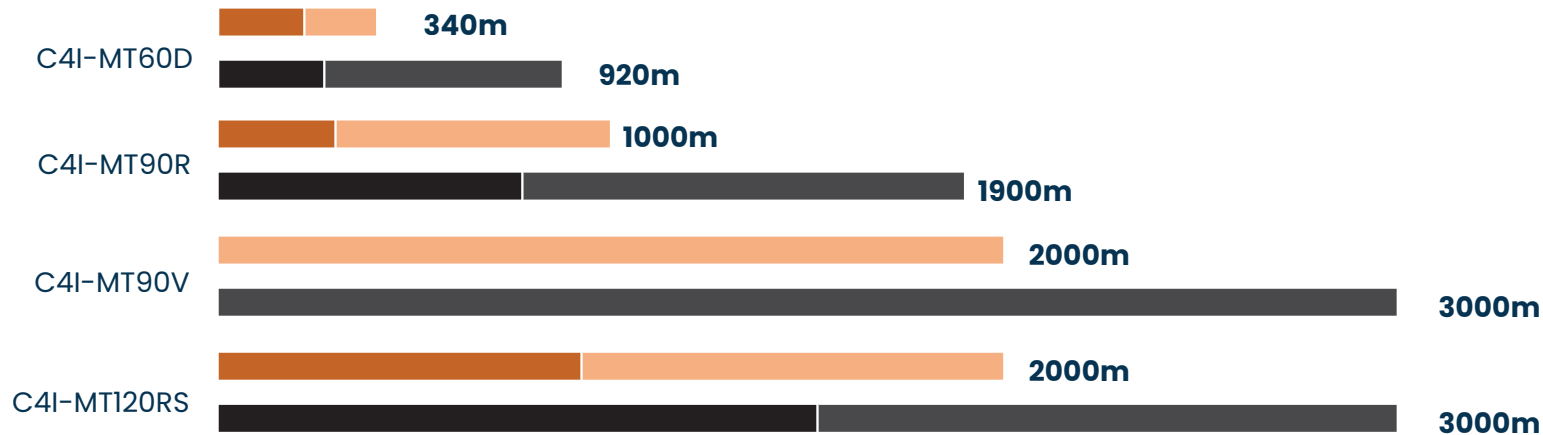
C4I-MT90V



C4I-MT90R



C4I-MT120RS





## C4I-Hawk Video Analytics Specifications

### Video Analytics Specifications

C4I-Hawk is a video analytics module, which is based on a domestic SoC platform, built in ISP and multiple intelligent tracking algorithms. Our company has accumulated these algorithms for many years. ISP is capable of image fusion, PIP, split-screen, and OSD. Intelligent tracking algorithms can achieve AI recognition and auto tracking. The module can be applied for diverse EO (electro-optical) search & tracking systems, effectively helping our customers reduce R&D difficulties and shorten cycles.



01 AI Recognition

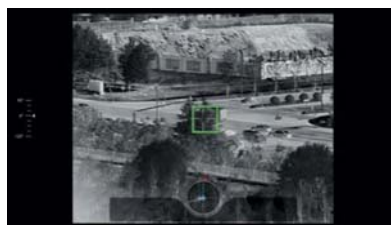
03 Image Fusion

05 Encoding, Snapshot and Storage

02 Auto Tracking

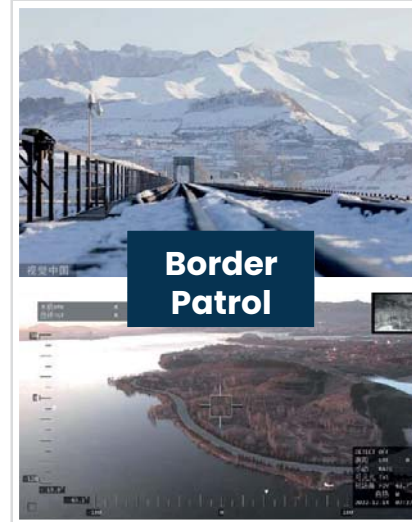
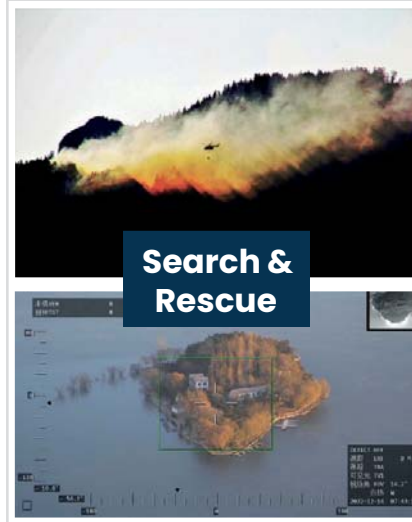
04 Multiple Display Modes

06 OSD





## Dynamic Load Optical System Solutions



### Application model



Multiple Rotors



Coaxial Dual-rotor



Helicopter



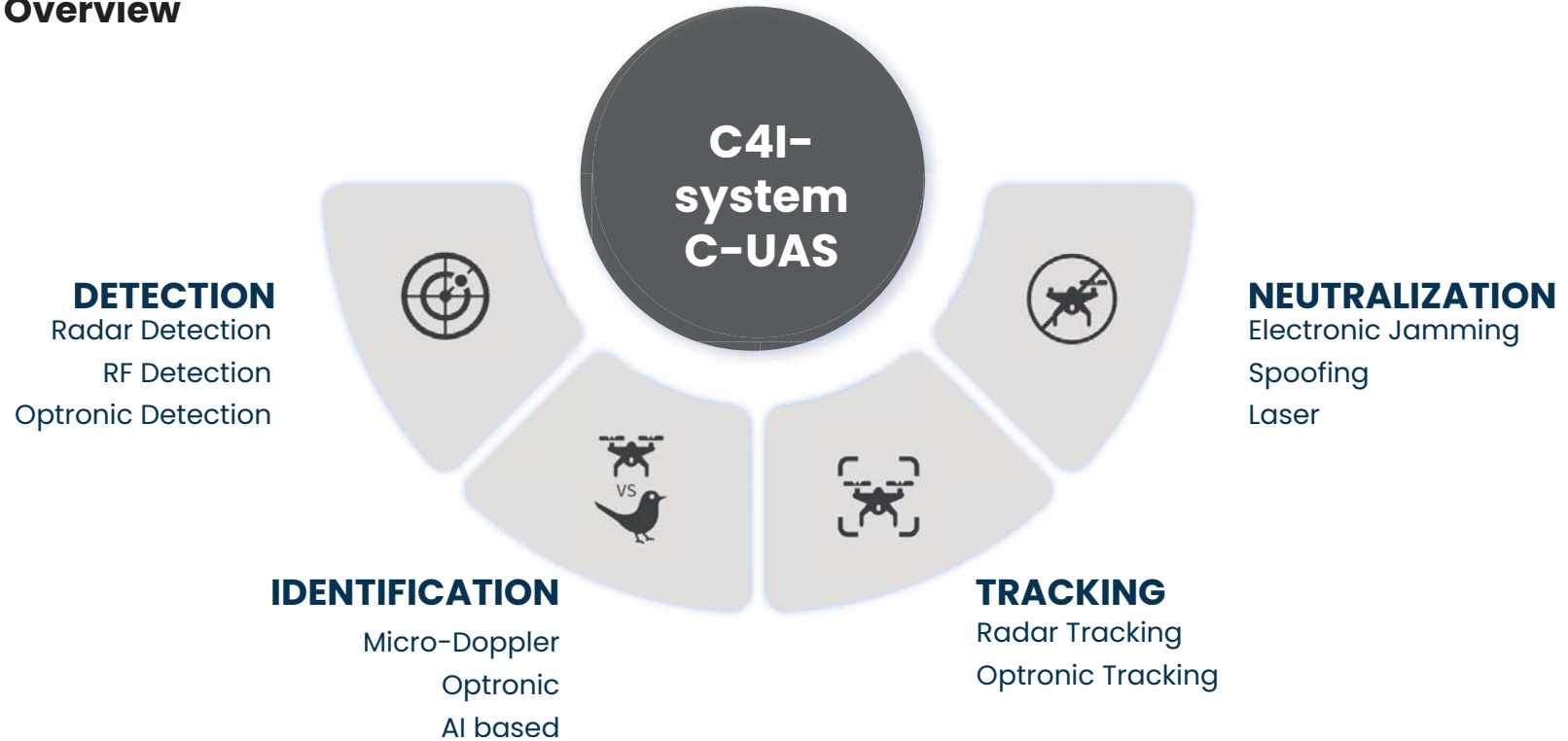
Compound Wing



**COUNTER-UAS**



## Product Line Overview





## C4I-system C-UAS

Detection  
-  
Identification  
-  
Tracking



Active Radar  
**C4I-W.R01/05**



Full Frequency Band High Precision Detector  
**C4I-W.DF01**



Infrared Panoramic E.O.S  
**C4I-XSENTRY**



EO Tracking Unit  
**C4I-EO.M01**

Neutralization



External Jamming Module  
**C4I-W.CF01E**



Detection And Control Integrated Equipment  
**C4I-W.R02**



Portable Detection And Control Integrated Equipment  
**C4I-W.CF02**



Directional Jammer  
**C4I-W.JF01**



Laser Shield  
**C4I-LS01**

The image features a central text element surrounded by several abstract geometric shapes. These shapes are primarily parallel lines and rectangles, oriented diagonally. The color palette is limited to a dark blue and a grey. The shapes are scattered across the white background, creating a sense of movement and depth. The text 'QUALITY ASSURANCE' is centered and rendered in a bold, sans-serif font.

**QUALITY ASSURANCE**



## Quality Management System

### Comprehensive QMS

#### Product Certification:

CE/FCC/RoHS/REACH/CB/BC/Nrcan

#### Comprehensive Coverage of the Entire Manufacturing Process

- Reliable R&D Quality Management System
- Comprehensive Inspection System
- Periodic ORT Testing
- Automated Manufacturing and Inspection Platform



#### Internal Control & Advanced QC Tools

- Incoming Material/Process Quality Control
- Outgoing Quality Inspection
- Automated Manufacturing and Inspection Platform
- Six Sigma Management
- Seven QC Tools/FMEA/SPC

#### High-Quality Customer Service Philosophy

- Pre-Sales: Product Selection and Customization Support
- During-Sales: On-Site Installation and Commissioning Support
- Post-Sales: Comprehensive After-Sales Service Guarantee

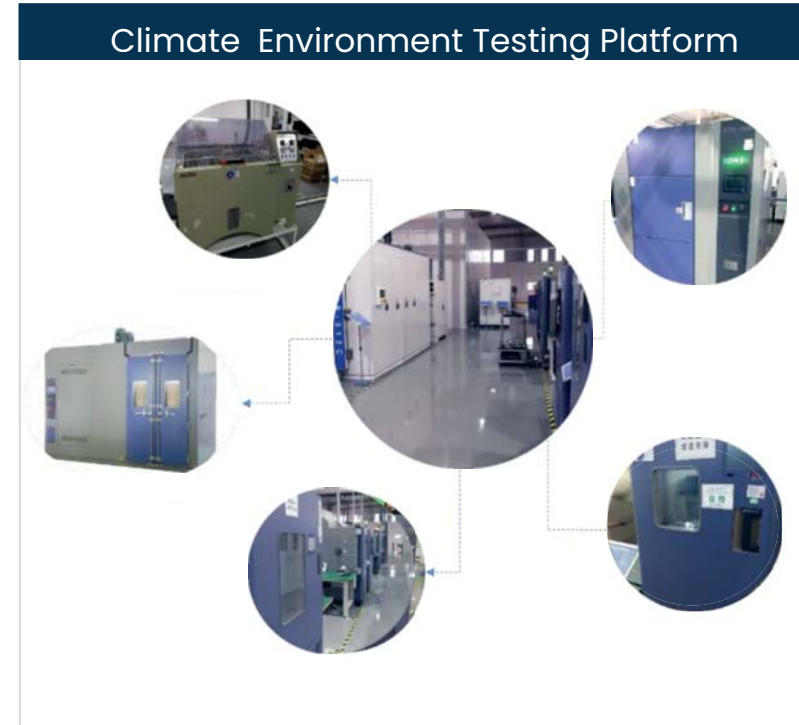


## Supporting Facilities

We are equipped with a mechanical testing platform and a climatic environment testing platform, capable of meeting the requirements for environmental adaptability testing. There are nearly 60 devices, including high and low temperature test chambers, rain and dust IP testing equipment, vibration test stands, shock test stands, etc.



+





# Service Support



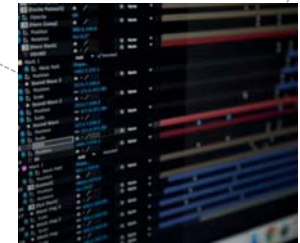
## 48h Emergency Response

In case of emergency needs and situations from customers, our support staff will arrive at the customer's site within 48 hours.



## Customized Development

We can develop customized products and related services according to customers' needs, maximizing customer satisfaction.



## 7x24h Full - time Response

We promise 7x24h technical support services available online, offering immediate response and assistance whenever needed.



## Pre - sales System

Our professional sales personnel introduce products to customers, analyze their needs and recommend appropriate products accordingly. We also offer trial products for an advanced experience.



LEARN MORE: [c4icommunication.com](http://c4icommunication.com)

FOR MORE INFORMATION: [contact@c4icommunication.com](mailto:contact@c4icommunication.com) or +1 (302)9811340