

LTE-LINK

产品说明书
Product Specification

CUAV

www.cuav.net

概述

CUAV LTE-LINK 是一款 UAV 4G LTE 系统，它突破传统的传输方式，利用了先进的 4G 网络，将数据和视频流融为一体进行无限距离的传输。



距离无限



多机互联



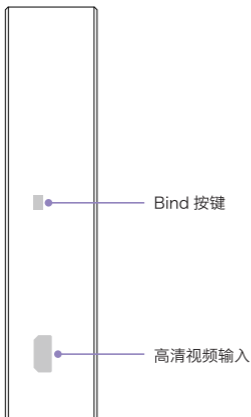
多平台云端管理



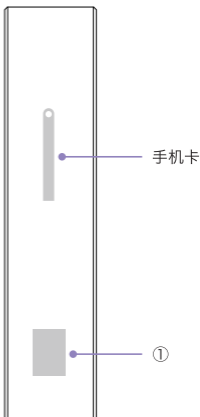
实时传输

接口定义

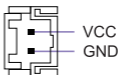
| 左视图



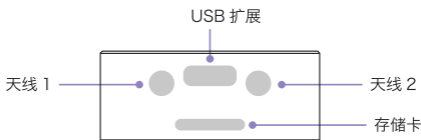
| 右视图



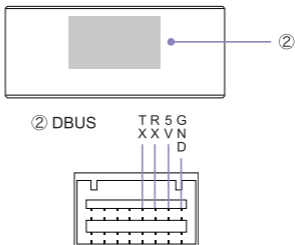
① 电源输入



| 俯视图



| 仰视图



相关资源

| 安卓手机端应用：CUAV_GS



| Windows PC 端应用：非攻地面站

下载地址：http://fw.cuav.net/apk/feigong_gcs.exe

| 无人机后台管理平台：UAV Hub

www.uav-hub.com

| 更多帮助请参阅官方文档

<http://doc.cuav.net/link/lte-link/>

参数

| 整体性能

整体性能	
网络类型	LTE(FDD) LTE(TDD) EDGE/GPRS/GSM (全网通)
支持相机类型	HDMI/SDI HD (因硬件型号而异)
支持飞控类型	Pixhack V2/V3/V5 Pixhawk 等
支持通讯协议	MAVLINK1/2
传输距离	理论上没有限制, 视基站覆盖率而定
可扩展设备	冗余网络模块或专网模块 (TYPE-C 扩展)
无线频段	· LTE(FDD): B1,B3,B8; LTE(TDD): B39,B40,B41(38), all bands with diversity · DC-HSPA+: B1,B9,B5,B8; TD-SCDMA: B34, B39, all bands with diversity · EDGE/GPRS/GSM: 1800/900MHz
支持客户端	安卓 5.0 及以上, WINDOWS 7 及以上
扩展接口	· RJ45 千兆网口 (X1) · TTL 串口 (X3) · TYPE-C USB (X1) · 4G 天线扩展 (X2) · HDMI IN 或 SDI IN (因硬件型号而异)

| 工作环境和物理参数

工作环境和物理参数	
工作电压	10 ~ 55V
工作电流	12V/1.5A MAX
工作温度	-10° ~ +60°
尺寸	75 mm * 39mm * 17mm
外壳材质	6063 航空铝
天线接口类型	SMA 内孔
屏幕类型	OLED 自发光 128*64 分辨率

配件清单

- 1) 天线延长馈线 (X2)
- 2) 4G 天线 (X2)
- 3) 电源线 (X1)
- 4) 数据线 (X1)
- 5) HDMI 线 (X1)
- 6) 16G TF-CARD (X1)

Overview

CUAV LTE-LINK is a UAV 4G LTE system, it changes traditional transmission way, make use of advanced 4G network, transmits data and video stream together without distance limit.



Infinite Distance



UAV Network



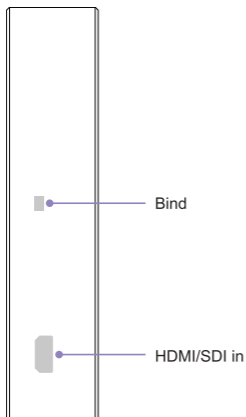
Multiple Management
Platforms



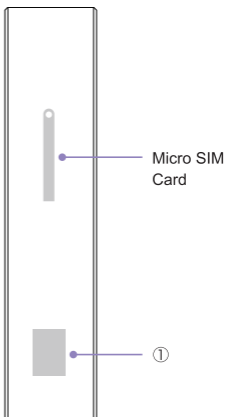
Real Time
Transmission

Interface Definition

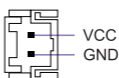
| Left View



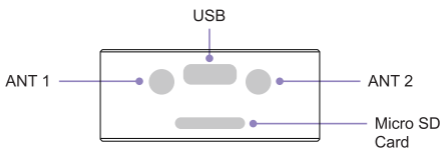
| Right View



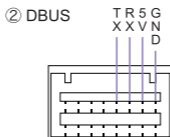
① Power



| Top View



| Bottom View



Resources

| Android app: CUAV_GS



| Windows software: Feigong Ground Station

Download address: http://fw.cuav.net/apk/feigong_gcs.exe

| UAV control platform: UAV Hub

www.uav-hub.com

| For more details please read LTE-Link documentation

<http://doc.cuav.net/link/lte-link/>

Parameter

| Overall Performance

Overall Performance	
Network	LTE(FDD) LTE(TDD) EDGE/GPRS/GSM
Camera	HDMI/SDI HD (it depends on the hardware)
Flight Controller	Pixhack V2/V3/V5 Pixhawk and so on
Communication Protocol	MAVLINK1/2
Transmission Distance	Theoretically no limit, but it depends on the coverage of basestation
Extension	Multiple network modules or private network module (through TYPE-C interface)
Wireless Spectrum	<ul style="list-style-type: none">· LTE(FDD): B1,B3,B8; LTE(TDD): B39,B40,B41(38), all bands with diversity· DC-HSPA+: B1,B9,B5,B8; TD-SCDMA: B34, B39, all bands with diversity· EDGE/GPRS/GSM: 1800/900MHz
Software Requirement	Requires android 5.0 or later, Windows 7 or later
Interface	<ul style="list-style-type: none">· RJ45 GigE Vision (X1)· TTL Interface (X3)· TYPE-C USB (X1)· 4G Extended Antenna (X2)· HDMI IN or SDI IN (it depends on the hardware)

| Operating Environment and Physical Parameter

Operating Environment and Physical Parameter	
Operating Voltage	10 ~ 55V
Operating Current	12V/1.5A MAX
Operating Temperature	-10° ~ +60°
Measurement	75 mm * 39mm * 17mm
Shell Material	6063 Aviation Aluminum
Antenna Interface	SMA Inner Bore
OLED	OLED Self-luminous 128*64 Resolution Ratio

Parts List

- 1) Extended Antenna Feeder (X2)
- 2) 4G Antenna (X2)
- 3) Power Line (X1)
- 4) Data Cable (X1)
- 5) HDMI Line (X1)
- 6) 16G TF-CARD (X1)