LinkEye Private Network System
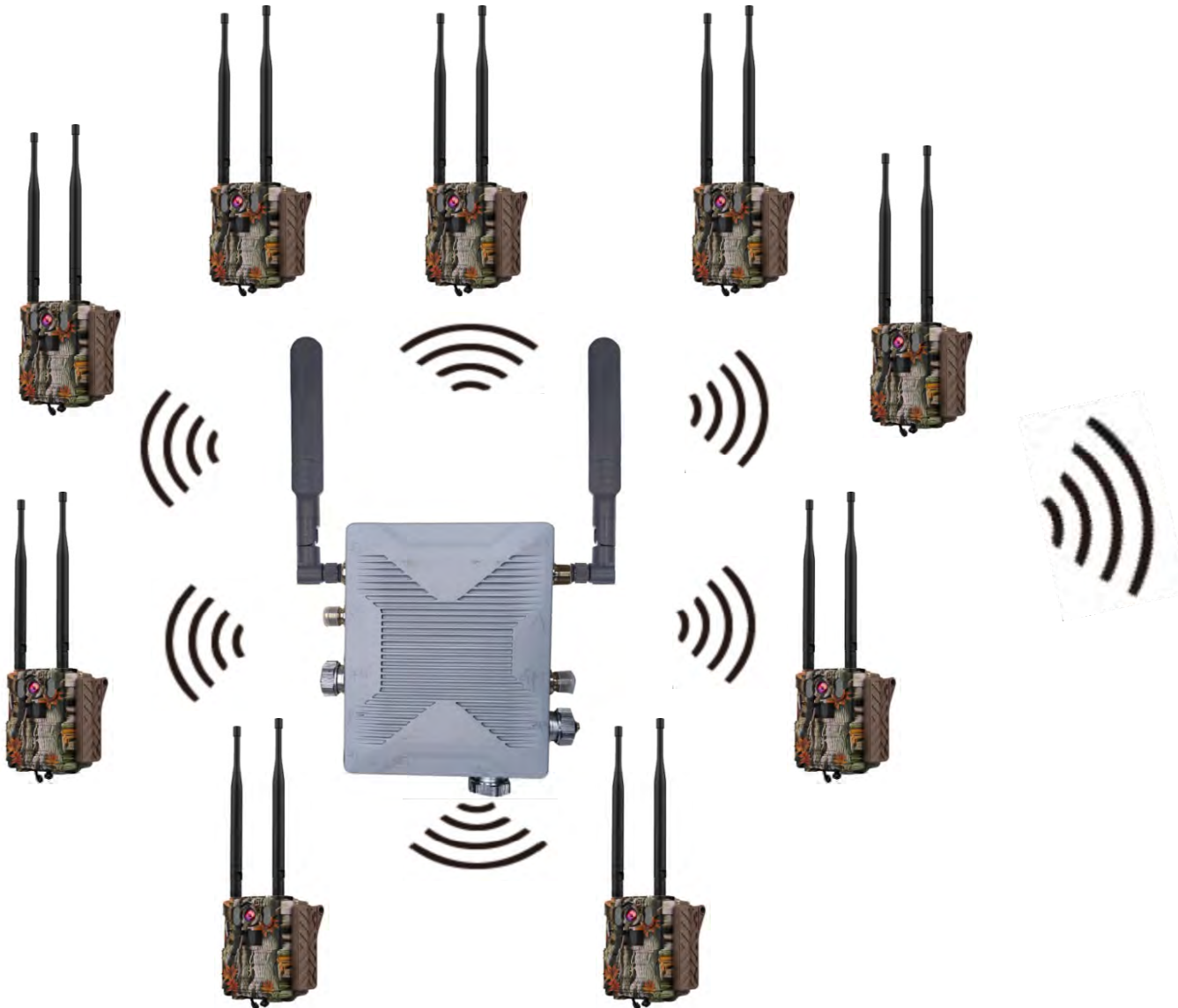
To meet the demands for the places without signal coverage

*National Borders

*Customs Protection

*Prisons and detention centers

*Large-scale Project security

*Critical facilities security

Wireless LinkEye Network Applications

*Private homes

*Anti Poaching Task Forces

*Researchers world wide

*Wildlife protection organization

Wireless LinkEye network is of great significance, and can easily meet the demands for the areas that without tele-operator's network.
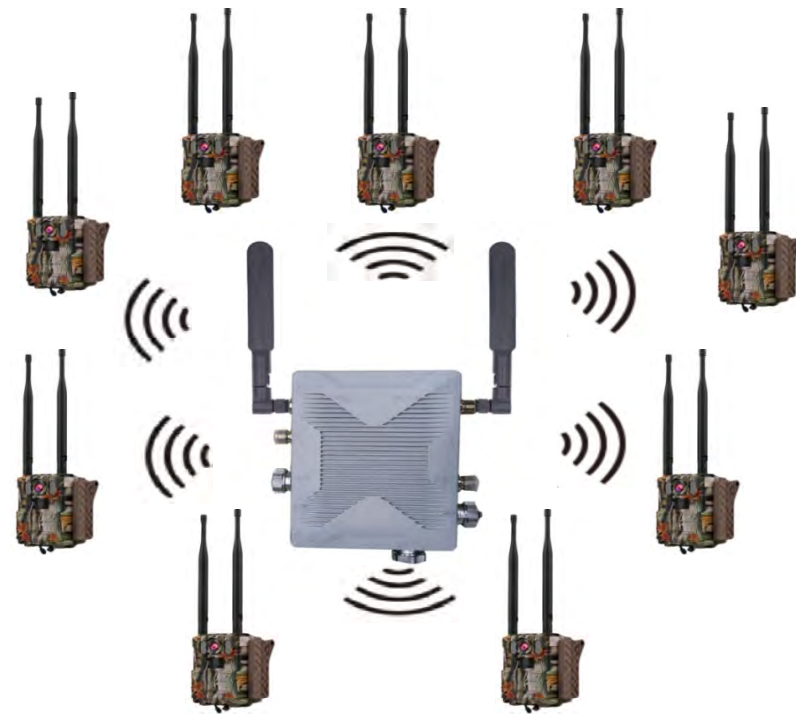
Wireless LinkEye Network

Core Parts that included in the Network:

▲ Internet/4G network/Optical fiber access(Connect the base station to transmit data collected from the slave cameras to the control center).
▲ Slave cameras (Up to 16, with fast broadband, big distance, strong diffraction module).
▲ Base station(with fast broad band, big distance, strong diffraction module and mini processing server).
▲ Control center/Data collect center.
▲ Power system to power the Base Station.
▲ Expandable devices optional(Environmental factor collectors, handy controller, walkie-talkie etc.,) . *

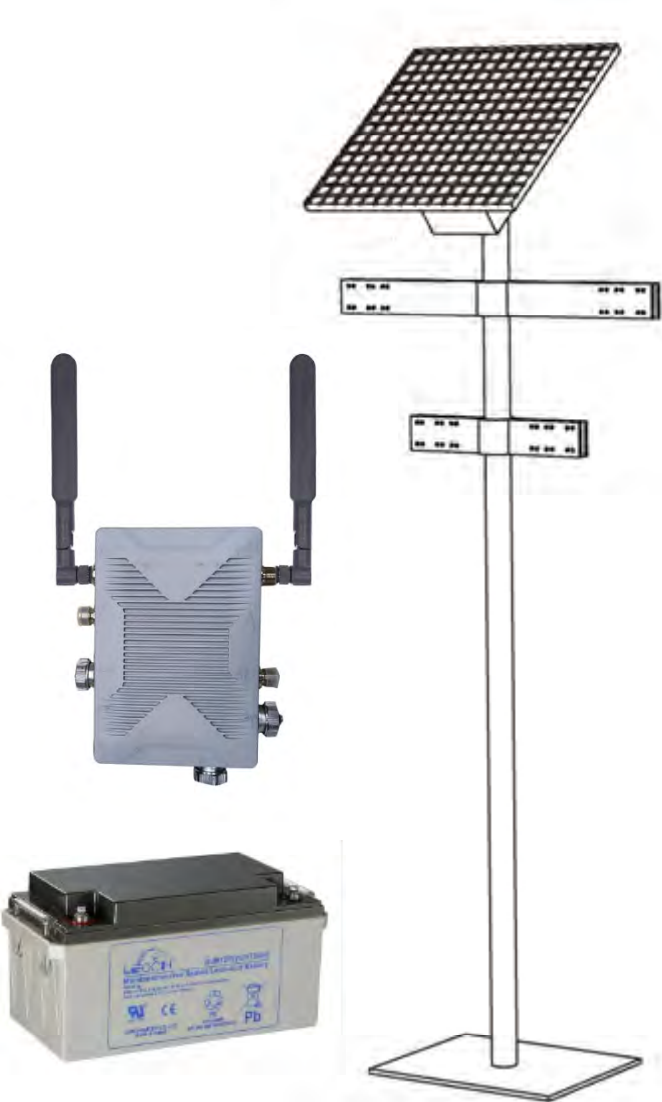# Features of LinkEye private network System:

➢**Up to 16 slave cameras**

➢**Line-of-sight >5km,Mountain forest 1~3km**

➢**Transmission data rate: 30Mbps**

Base stations transmit data collected from the slave cameras to the control center via Internet/4G network/Optical fiber.

Power Support for the Base Station

▲ Solar panel to charge the battery
▲ High gain antennas (6dbi/8.5dbi)

Base Station

Outstanding Features of the Base Station

▲ Support frequency hopping to avoid the same frequency interference;
▲ Dual antenna, two-way communication, support SISO/SIMO.
▲ Line-of-sight >5km, mountain forest 1 ~ 3km;
▲ The maximum number of concurrent entries up to 16
▲ Transmission up to 30Mbps, allows original video and real-time video stream transmission
▲ Automatically saves infrared camera data when the backbone network get interrupted or the speed is slow, and upload data when the network is restored.
▲ Multi-interface compatible (input and output), network port.
▲ OTA remote upgrade *
▲ View device status and configure parameters via web UI
▲ 6-18V wide range power supply
▲ Multiple lightning protection
▲ Automatic GPS positioning and timing *
▲ Operating temperature -40°c to +80°c, max. humidity 98%
▲ Multi work-time settings to save power
▲ 256G storage space
▲ IP67

(The * features will be finished in next version)

Slave camera

Outstanding Features of the Slave Cameras

▲ Built-in wireless module, multi-bands Selectable

▲ Transmission speed up to 30Mbps

▲ Capable of uploading original files, compressed video, thumbnail

▲ Live stream push *

▲ Dual antenna, two-way communication, support SISO/SIMO

▲ Support frequency hopping, avoid the same frequency interference

▲ GPS automatic positioning and timing *

▲ 3K (2560*1920) audio +video, picture 32MP

▲2.0''HD screen, easy to view the monitoring area when installing

▲ 0.2s Trigger speed

▲ Intelligent image, automatically adjust the lightness according the distance of the objects.

▲ Easier battery replacement

▲ Two position switch, automatically enter into the monitoring mode even if no operation

Outstanding Features of the Slave Cameras

▲ Compatible with 7.5Ah@12V battery pack, solar charging
▲ Photo, video, photo + video
▲ IP68, super durability
▲ Lens F=1.6, FOV=65 degrees
▲ Ultra-low power consumption, 100ua-200ua standby current.
▲ 4 high-efficiency IR lights, 940nm/850nm/white light LED optional
▲ PIR sensitivity: high, normal, low
▲ Integrated, highly stable IR-CUT, enhanced day and night image quality
▲ 512GB SD compatible
▲ HQ audio recording, -38dB sensitivity MIC
▲ Rich photo information display, including the date, time, temperature, moon phase, device name, latitude and longitude etc.
▲ Compact size: 135*108*96mm
▲ Operating temperature -40°c to +80°c

(The * features will be finished in next version)