



## Cerberus Digital Canine Transmission

A Complete Digital Video & Audio Transmitter Package For A Working Dog

The Cerberus system is a dedicated digital canine video system. The transmitter is mounted in an harness on the ridge of a dogs spine.

The system provides a video link from the canine to its handler, the encrypted link can operate in a non line of sight environment. The system range is excellent, typically 300-500m non line of sight. Handlers observe the video using the portable receiver supplied in the kit.

The Cerberus transmitter integrates COFDM digital video modulation and encryption technology. The modulation method ensures excellent transmission characteristics, even in the most demanding urban and RF cluttered environments. Additional Security is offered through optional AES128 encryption.

High sensitivity cameras, a microphone, modulated IR LEDs, white light LEDs, antenna and battery complete the package. This is all housed in an innovative, robust enclosure with the camera mounted within a sprung loaded arm. The simple action of releasing the arm activates the video transmitter. The arm spring also prevents the system from becoming damaged or snagged when the dog is travelling at speed through low apertures, or through foliage.

Users can select one of eight channels for transmission. Initial channel programming is conducted via a PC application, provided with the system.

The system is powered from a single quick release battery. The entire system is extremely robust and field proven in the most demanding of missions. The product has been shock, vibration, altitude and fluid ingress tested to ensure reliable operation.

### Overview

Digital Canine Transmission

Portable Diversity Receiver

Excellent Range

Low Light Camera

Integrated Microphone

Single Peli Case Kit

Optional AES Encryption

PC Control Interface

Channel Selectable

Battery Powered

Rugged Build

Simple Operation



### Cerberus Kit Contents

- Cerberus Transmitter
- Digital Diversity Receiver
- TX and RX Batteries
- Quick Release Antennas
- Control Cables
- Video Out Cable For RX
- IP Out Cable for RX
- Documentation
- Software
- PeliCase

Part	Part Number
Cerberus L-Band	110-3088
Cerberus S-Band	110-2961

Specifications			
Camera Sensor	1/3" CMOS	Receiver Screen	4.3" High Resolution
Camera Sensitivity	0.004 Lux	Receiver Recording	SD Card
Camera IR	5-10m Range 940nm	Data & Control Interface	RS232 Serial
RF Frequency	1.1 to 1.5 GHz 2 to 2.5 GHz	Weight	TX <1kg RX <0.5kg
RF Type	Digital COFDM	Power	TX 5 Hours, IR Off RX 2 Hours
RF Power	200mW	Dimensions	TX Open 260 x 178 x 85mm RX 150 x 100 x 37mm
Video Coding	MPEG2	Environmental	IP66

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