Pet treat camera

User Manual

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Catalogue

1．Product introduction

The pet treat camera is designed and made by Dongguan LM intelligence tech Ltd. As a new generation of pet intelligence product mainly serves for pet owners, it is especially suitable for those who frequently separate with their pet (say, at work or travelling). Main function of this product includes real-time HD Video on cell phone, Two-way audio interact and remote-controlled pet treat tossing.

2. Parameter table
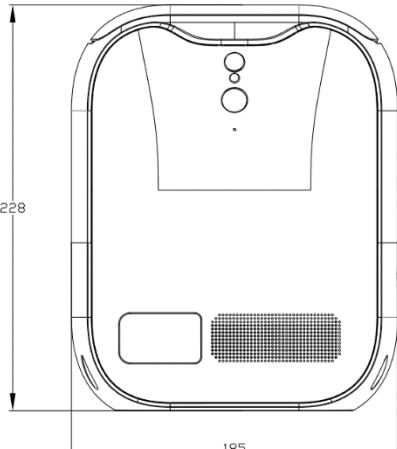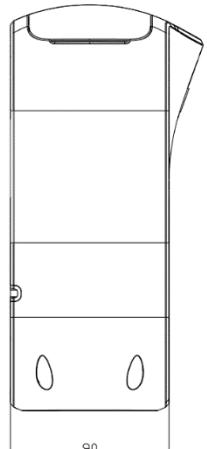
Dimensions	 228 185　　　　　　　90 Units：mm
Net weight	1.5kg
Packaging weight	1.8kg
Volume	400ml
Video	Video quality：1080P FOV：130°（diagonal） Focal length：2.8mm
Power supply	12V,2A
Power adapter	100-240V 50-60HZ 0.5A
Wireless network	2.4Hz WiFi 5GHz Wifi
Placement setup	Mount on wall, place on table or stand on floor
Mobile operating system requirement	Android 4.2 or above IOS 10.2 or above

3. Features

Figure 3-1. Appearance of pet treat camera

The appearance of pet treat camera is demonstrated in figure 3-1, its main function could be described as below:

Real-time HD Video

Through internal video transmission module (with 1080p resolution) it would be easy for the pet owner to see pets on their mobile phone. A wide-angle lens configuration ensures relatively large range at home could be covered.

The pet treat camera also capable to see pets at lowlight or night environment, through its auto switch high-brightness Infrared bulb.

Two-way audio interaction

Pet owners could call their pets remotely with the dual-track speaker inside the pet treat camera. Also, a sensitive microphone allows pet owner to hear their pets on their mobile phone.

Pet treat tossing

Main function of pet treat tossing module is to eject pet treats stored inside. Once trigger, pet treats would be thrown out in a curve trajectory, for the purpose of attracting pets and make them come to the pet camera.
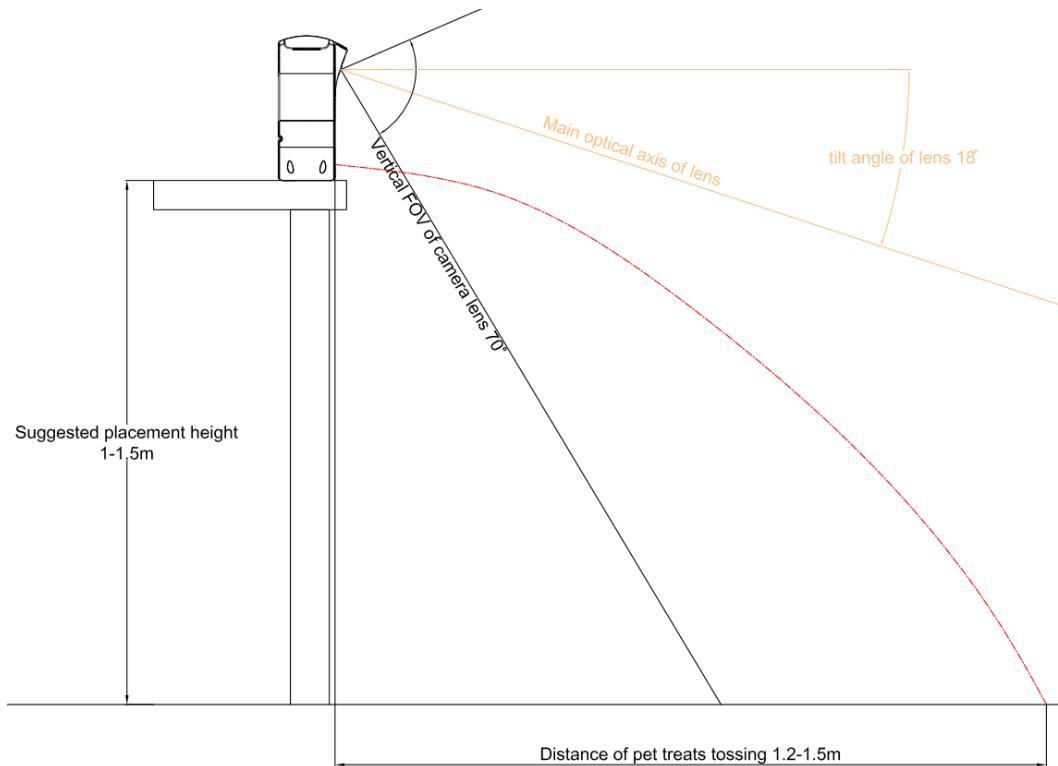
Figure 3-2. Pet treat tossing schematic diagram

The schematic diagram of pet treat tossing process is shown in Figure 3-2. Specifically, the vertical FOV of camera lens is 70°. If the pet treat camera is placed in the height of 1-1.5m, it would be able to eject pet treats to a distance about 1.2-1.5m, followed a curve trajectory which briefly shown on Figure 3-2 (the red line). Meanwhile, the camera lens is designed with a tilt angle of approximate 18°, this angle is demonstrated with a relative angle between main optical axis and the horizontal line (the orange angle). Thus, this will ensure the pet treats being thrown falling into the right middle of camera vision. Since pet treats will attract pets, pet owner will conveniently be able to watch their pets with the best vision angle.

Feeding less amount, more times

Comparing with most pet feeders, the pet treat camera is capable of tossing much less amount each time, which means one pack with a mere 100g pet snack could be divided into about 30 triggers. Having more fun with less food, and also prevent pets from being overweight.

Good sealing, Keep fresh

The top cover of storage space is made of food-grade silicon, also with good sealing design, pet treats stored will remain fresh and delicious even the product is placed in high humidity environment.

4. Instruction manual

Initial mounting and setup

First, plug in the power adapter, which is shown in figure 4-1

Figure 4-1. Power adapter of the pet treat camera

The detail of three recommendation ways of mounting the product is listed in the table below:

Mounting way detail	Stand on the floor	Mount on wall	Place on table
How to fix	Anti-slip silicon foot pad to fix on flat surface (foot pads are shown in figure 4-2)	Latch structure designed on the back and a wall hanging hook delivered together with the product (latch structure and wall hanging hook are shown in figure 4-3)	Anti-slip silicon foot pad to fix on flat surface
Pet treats tossing distance	Short (about 30-50cm)	medium（about 1.2-1.5m）	medium（about 1.2-1.5m）
Matters of attention	1.Place on flat and smooth surface 2.recommand to place aside the wall to prevent the product from knocked over by pets	1.Ensure latches on the back has been completely plugged in the slot of wall hanging hooks. 2.Suggest mounting height of 1-1.5m, as described in section 3.	1.Place on flat table surface 2. Suggest mounting height of 1-1.5m, as described in section 3.

Figure 4-2. Anti-slip silicon foot pad on the bottom surface of the product

Figure 4-3. Latch structure (lower) and wall hanging hook (upper)

Wireless network connection

Following the instruction of mobile app, register user account, setup wireless connection between the product and home wireless networks

Pour in pet treats
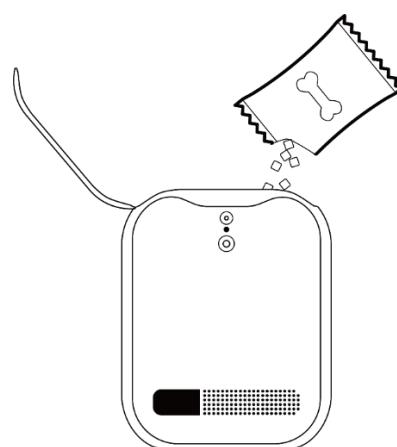
Figure 4-4. Pour pet treats into the product

Open the top cover, and pour pet treats in, as illustrated in figure 4-4.

Use mobile app to interact with pets

With mobile app, pet owners could start to interact with their pets.
Specifically, the main user interface is shown in figure 4-5.
- Hit the "feed" button will trigger a tossing process.
- Holding the "talk" button and talk to the microphone of the mobile, the device will start playing the voice.
- Push the "filming" button will enable the user to take a photo

Figure 4-5. Main user interface of mobile app

Pet treats tossing button

A button is designed on one side of the product, pressing this button will also trigger a pet treats tossing process, this enable pet owners to feed their pets directly through the device, without opening the mobile app.

Figure 4-6 Pet treats tossing button on one side of the product

5.Product model list of pet treat camera

LMC-001	LMC-002	LMC-003	LMC-004
White	White-Light green	White-Polka dot	Grey

FCC WARNING:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.