

MIUFLY Body Camera User Guide



Supporting Website:
www.miuflybodycamera.com

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1. Introduction

Product Overview

MIUFLY EH15 Body Camera is ruggedly designed to provide law enforcement, security and emergency personnel with super Full HD 1296p video recording capabilities, and one-button recording and activation. When worn on the front of clothing, an ultra-wide 140° field-of-view lens captures what happens in the field as accurate information for further analysis. Featuring a 32GB (64GB) internal memory, pre-record buffering, importance tagging, and integrated Infrared LEDs for night vision, EH15 is equipped to perform in any conditions.

With full featured and adaptable operation, EH15 can record video and audio simultaneously, or audio only for suspect interrogations and victim/witness statements. EH15 is fully configurable and offers multiple recording qualities, super full HD 1296p video down to 720x480 resolution, giving users the options to adjust the recording quality according to their storage capabilities.

EH15 can also take up to 20 high-resolution snapshots, which, together with video, can be viewed on backlit, 2 inch LCD color screen or on an HDTV screen using a HDMI connector. Security protocols of the device are secure to prevent accidental deletion of evidence or modification of system settings. Video footage is also digitally watermarked with the user ID, time and date, ensuring the authenticity of collected video of the event. The internal GPS receiver provides automatic location tagging of video- and still-captures, offering irrefutable substantiation of where and when the audio and video were recorded.

Box contents

- MIUFLY Body Camera
- Charging Dock
- USB Cable
- USB Adaptor
- 360 Degree Rotatable Clip
- User Manual
- Should Clip
- Car Charger

2. Technical Specifications

Camera	
Sensor	5MP CMOS
Wide Angle	140 degree wide angle lens
Video	
Video Resolution	2560X1080 30p/ 2304x1296 30p/ 1920x1080 30p /1280x720 60p /1280x720 30p / 848x480 60p
Video Compression	H.264/MPEG4
Audio	High Quality Build-in Microphone
Audio Format	WAV
Watermark	User ID, Time and Date
Pre-record	Support
Password protection	Administrator password to prevent video deletion
Video Section	3min/5min/10min/15min/30min/45min
Snap Shot	
Image	Max 32 Megapixels
Image Format	JPEG
Burst	2/3/5/10/15/20 Snap Shots
Video/Image Review	
LCD Screen	2.0in TFT-LCD High-Resolution Color Display
Audio Playback	Yes
Video Output	Not support
Video Transfer	USB 2.0
General	
GPS location	Support
IR LED	2
IR LED switch	Auto/manual
IR Distance	10 Meters
One Button Recording	Support One Button Record
Motion detection	Auto/manual
Built-in Storage	32GB (64GB)
Working Temperature	-40~60 degrees Celsius
Storage temperature	-20~55 degrees Celsius
Dimension	3.54" x 2.17" x 1.10"
Weight	175g
Standard Accessories	Charging dock, USB cable, Adapter, User Manual, Universal metal 360 Degree Rotatable Clip, Shoulder Clip

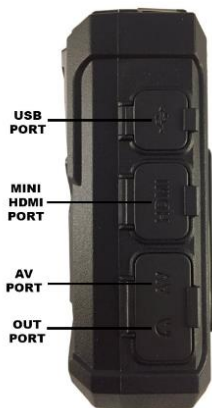
3. Features



RIGHT SIDE



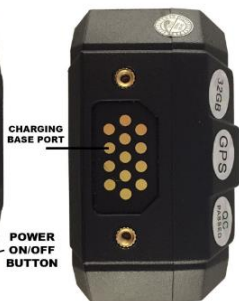
LEFT SIDE



TOP

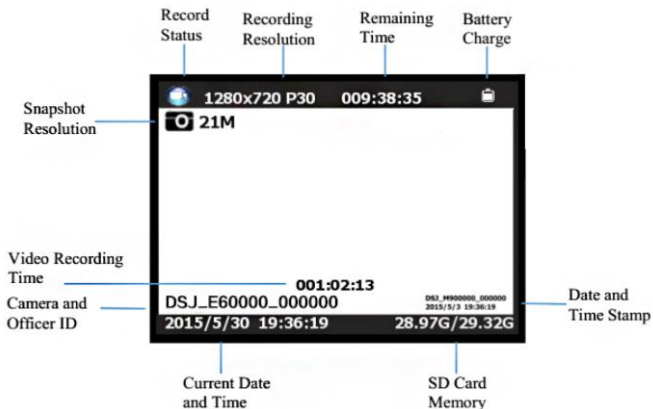


BOTTOM



Item	Description
1.Camera Lens	High Definition Camera
2. Power Button	a). Press Hold for 3 seconds to turn on/off camera b). Press to enter or exit screen saver when camera is on
3.IR/White Light button	a). Press to turn IR light on/off; b). Hold to turn on/off white light
4.Infrared LEDs	Records clear image in low light situation. Enable Clear face view with up to 10 meters
5.Light Sensor	Detect changes in light and auto turn on IR for low-light recording
7.Speaker	Built-in speaker
8. Indicator LED	Blue: Charging Status Green: camera is powered up and in standby mode
9.10.11. Status Indicator LED	Green: camera is powered up and in standby mode, not recording Flashing Red: camera is recording video Flashing Yellow: camera is recording audio only
PLAY & UP KEY	a). Press to scroll up in menu mode b). In play mode, hold to zoom out the playing image c). In play mode, press to rewind video
CONFIRM KEY	a). Press to make a selection in menu mode b). In play mode, press to pause/resume video or audio playback. c). In standby mode, press to review files.
MEMU & DOWN KEY	a). Press to enter into menu mode b). Press to scroll down in menu mode c). In play mode, hold to zoom out the playing image d). In play mode, press to fast forward video
ADD IMPORTANT FILE	Press to tag importance to audio/video file when camera is on recording

ONE PRESS AUDIO RECORDING & CHANGE RESOLUTION	<p>a). Press to record audio when not in video-recording mode</p> <p>b). Press to mute/unmute video when camera is on video recording</p> <p>c). Hold to change resolution between 480P and 720P</p>
ONE PRESS PHOTO SHOT	<p>a). Press to take pictures in standby mode</p> <p>b). Press to take a single snapshot image while in video recording</p>
ONE PRESS VIDEO RECORDING	<p>a). Press to start/stop recording</p> <p>b). Hold to power up camera and start video recording immediately when camera is powered off.</p>
USB PORT	<p>Connects to USB cable for charging or connection to PC</p> <p>PS: optionally connects to external camera</p>
HDMI PORT	Connects to 1.3 HDMI cable for video playback only
CHARGING BASE PORT	Connect to charging dock to charge the camera



Record Status	Red blinking record status icon indicates camera is recording, white solid is standby mode.
Video Recording Time	Recorded time of current clip
Battery Charge	Current battery charge level
Camera and Officer ID	Assigned camera and Officer IDs
Remaining Time	Estimated recording hours remaining
SD Card Memory	Internal SD Card capacity: Free space/Total capacity

4. Main Menu Optional Detail

To enter the setting menu:

1. Press Menu (**M**) button and then enter a password.
2. Enter the password by using the following commands:
 - Press Scroll Up (**⏮**) button to change the character to the previous letter or number.
 - Press Menu (**M**) button to change the character to the next letter or number.
 - Press OK (**OK**) button to move to the next character**PS:** The default password is 000000.
3. After selecting the last character, press OK (**OK**) button to enter the setting menu.

To navigate the settings menu:

- Press Menu (**M**) button to select next setting or option.
- Press Scroll Up (**⏮**) button to select the previous setting or option.
- Press OK (**OK**) button to move to confirm your selection or enter the submenu.
- Press Power (**⏻**) button to return to the previous menu without changing anything.

Following is a list of the available settings and options. The bold items are the default options.


Setting	Description	Options
Resolution	The image resolution for video	2304×1296 30P 1920×1080 30P 1440×1080 30P 1280×720 60P 1280×720 30P 848×480 60P 848×480 30P 720×480 30P
Megapixels	The image resolution for photos	32M (7600×4275 16:9) 30M (7304×4104 16:9) 28M (7056×3968 16:9) 25M (6664×3752 16:9) 23M (6480×3648 16:9) 21M (6144×3456 16:9) 20M (5960×3352 16:9) 16M (5336×3000 16:9) 12M (4608×2592 16:9) 10M (4384×2466 16:9) 8M (3456×1944 16:9) 5M (3008×1688 16:9)
Burst	The number of images captured when you take a photo.	Off, 2, 3, 5, 10, 15, 20
Self Timer	The amount of time the camera waits to take a photo after you press Snapshot button.	off, 5 sec, 10 sec
Continuous shooting	When on, pressing the snapshot button will activate continuous shooting during which the camera will automatically taking a picture at regular intervals. Press this button again to stop shooting. When off, this feature will be disabled.	off, 5 sec, 10 sec
Quality	The quality of the image for video and photo files.	S. Fine, Fine, Normal
Pre-record	When on, any video you record will include some of the time that elapsed before you press the Record button (stored in the camera buffer); When off, any video you record will include only video and audio from the point after you press the Record button.	Off, On

Post Record	The amount of the time the camera waits to stop recording video after you press the Record button.	off, 5 sec, 1 minute, 10 minutes
Car DVR Mode	When on, camera will power up automatically and start video recording when it is charged. Camera will power off as it normally does when it is disconnected from the power source.	Off, On
Loop Recording	When on, camera will overwrite the oldest video file with the most current video file once its memory is full.	Off, On
Split Time	While recording video, the camera will automatically split its recording into files of this length.	3min, 5 min, 10 min, 15 min, 30 min, 45 min
Slides Show	When on, viewing photo file will start a slideshow where each photo will be shown for around 5 seconds.	Off, on
Infrared	When set to manual, you will need to hold Snapshot button to turn IR LEDs on/off. When set to Auto, these lights will activate automatically based on the light sensor's reading.	Manual, Auto, off
White Led	White Led light to offer light source	Off, On
Motion Detect	When on, camera will start recording when front movement is detected by the lens.	Off, On
Recording warning	When on, you will hear a voice confirmation when you start recording. When off, voice confirmation is disabled.	Off, On
GPS	When GPS is on, position of video will be recorded and can be reviewed by GPS player.	Off, On
Time Zone	Adopt local time in real time zone	-12 to +12
Language	The language of the text in camera interface	English, 繁體中文, Pycкий, Jezyk Polski, French, 日本語, Portuguese
Screen Saver	The amount of the time the camera can be idle before deactivating the display to conserve power.	Off, 30 sec, 1 min, 3 min, 5 min
Auto Power off	The amount of the time the camera can be idle before powering off.	Off, 30 sec, 1 min, 3 min, 5 min
LED Light	When on, indicator LED will tell the status of the camera; When off, camera is entering covert mode	On, Off

Key Tone	When on, camera will play a tone each time you press a button. When off, tone is disabled.	On, Off
Volume	The volume of camera speaker. This affects the loudness of video playback, audio playback, the key tone, record warning, and any other sounds played by camera. This doesn't affect the volume of the recorded video or audio files themselves.	0-12
ID setting	User can set Device SN and Person SN	Alpha numeric characters
Change Password	Password can be set or changed	Alpha numeric characters
Time Setup	Adjust time to real location	yyyy/mm/dd __: __
Default setting	Use this to return camera to its original settings. This does not erase the memory.	O (Yes), X (No)

5. Operation

5.1 Power on/off

1) Power on: when camera is off, press and hold power () button for 3 seconds, camera will power up and enter standby mode;

- Boot up image shows up;
- Working status LED indicator turns green;
- Boot up music;
- Camera vibrates;
- Camera voice “beeps” when [Record Warning] is ON.

2) Power off: press and hold power () button for 3 seconds to turn off working-status camera:

- Save video/audio files before power-off;
- Working status indicator turns off;
- Power off image;
- Power off music;
- Camera vibrates.



5.2 Resetting

Press reset button (inside HDMI port) to have camera resetting when camera works abnormally. Please note: DO NOT PRESS this button except maloperation.

5.3 Infrared Night Vision

While under dark circumstances, infrared LED will help to record clear image or video in HD.

In standby mode, PRESS Menu () button to navigate. Find option

【Infrared】, PRESS OK () button to enter sub-menu: Manual & Auto, press OK () button to select.

1) Auto infrared mode:


In low light situations (3 Lux), IR LEDs will be turned on automatically, camera switches on infrared filter lens, video image turn black and white.

Otherwise, when circumstance brightness grew up, IR LED turns off, and image becomes colorful again.


2) Manual infrared mode:

When night vision is needed, PRESS IR light button to switch to Infrared mode, IR LEDs will be turned on, black and white image. PRESS this button again to turn off IR LEDs, image becomes colorful.



5.4 Take Photos

In standby, PRESS snapshot () button to take a snapshot, with a sound “Click”, LED working status indicator will flash green once, and the photo stored. The photo resolution and quality can be set in the settings.


5.5 Snapshot

While camera is recording video, PRESS snapshot () to take a snapshot. On the LCD display, there will be a flashing green square, which refers to that a photo has been taken while video is recording.


5.6 Video Recording

In standby mode, PRESS record () button, indicator LED flashes Alternate Red and Green, then camera “beep” and vibrates, starts video recording. If the voice is on, camera will start video recording with indication voice. PRESS record () button again, video recording stops and camera switches to standby mode, working status indicator changes to green.

5.7 Motion Detection


In settings, please find [Motion Detect] option. PRESS OK () button to select.


Sub options: ON/OFF

PRESS record () button to activate motion detection, any moments are detected, camera will start recording. If there are no movements for 10 seconds, camera will stop recording. Once any movements detected, camera


will start video recording again.

5.8 Audio Recording



In standby mode, PRESS Audio () button, with a beep and camera vibration, LED indicator turn yellow and flashes, audio recording started.

PRESS Audio () button again to stop audio recording.



5.9 One Button recording




When camera is powered off, HOLD Record () button, camera will initiate and start video recording immediately.

5.10 Tag Important file



In audio or video recording, PRESS importance tag () button, camera vibrates, the audio or video file will be tagged important, with a yellow icon () showing on the top right of the LCD screen.




5.11 Device ID/ User ID

In standby mode, PRESS Menu () button to enter settings. Find [ID setting], PRESS OK () button to select. Enter the password, the default password is: 00000. After right password entered, the Device & Person SN interface show up, 5 characters for device and 6 characters for Person.

PRESS scroll-Up () button or Scroll-down () button to highlight a character, then PRESS OK () button to select.

5.12 Time Setting





In standby mode, PRESS Menu () button to enter settings. Find Time bar, for example, 2008/02/02 07:40. PRESS OK () button and enter the password, then users can change the date and time.

Press Scroll-Up () button or Scroll-down () button to highlight a character, the PRESS OK () button to select.


5.13 USB Driver

After being connected to PC, password interface shows up, please enter the password (default password is 000000), the camera will be recognized by the computer.

5.14 Playback

1) In playback mode, PRESS OK () to pause/resume playback; PRESS Scroll-Up () button to rewind, PRESS Scroll-down () button to fast forward, then PRESS OK () to play normally. You can fast forward or rewind 2x, 4x, 8x, 16x, 32x, 64x, 128x.

2) Exit the Playback mode:

In Playback mode, PRESS Record () button to get back to standby mode step by step.

5.15 External Mini Camera (optional)

Connect the external camera to USB port, the audio and video signal input will be switched to external camera automatically. Meanwhile, the external camera can be controlled by the main body camera.

Drive-by-wire button operating instructions: When the camera is in standby mode: A, HOLD the button for 3 seconds to have the external camera start/stop video recording; B, PRESS the button to take a picture through external camera.

5.16 Charging

When camera batter is low, the battery icon will flash in the display, and you will hear a alert tone. When this happens, charge the camera.

While camera is charging, indicator lights blue and will turn off after camera is fully charged. It will take approximately 4 hours to fully charge the camera.

Charging methods:

1). Use a USB cable to connect camera's USB port to one of the following:

- A USB port on your computer (powered on)
- The included USB power adapter (connect to a power outlet)
- The included car charger.

2). Attach camera to the docking bay. Use a USB cable to connect the docking bay to one of the following:

- A USB port on your computer (powered on)
- The included USB power adapter (connect to a power outlet)
- The included car charger.

5.17 GPS tag

When GPS turns on, camera will record specific location information along with body camera footage, and the tags are stored in the video metadata, pinpointing the location when the footage is reviewed.

There will be GPS coordinate (longitude and latitude) showing up in the upper right corner of LCD screen when GPS signal is received.

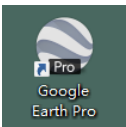


To view GPS tags, User will need to use GPS player (stored in camera memory) and Google Earth (go to <https://www.google.com/earth/desktop/> to download Google Earth to your PC).

GPS Player



Google Earth

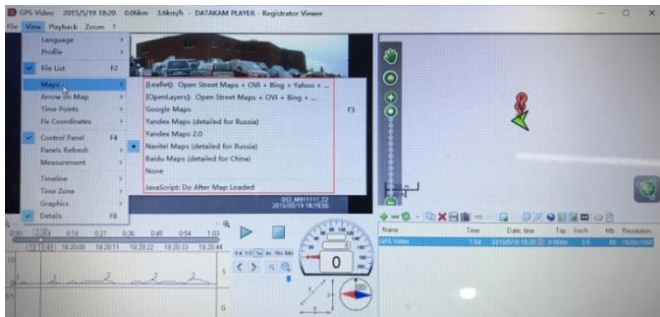


Run GPS player and Google Earth. Open the video (with GPS tags) footages by the GPS player.

The image shows a screenshot of the 'GPS Video' player interface. The main window displays a video of a parking lot with several cars. The video title is 'GPS Video 2015/5/19 18:20 0.06km 3.6km/h - DATAKAM PLAYER - Registrator Viewer'. Below the video is a timeline and a speedometer. The speedometer shows a speed of 0 km/h. To the right of the video is a map showing a red location pin. The bottom of the window shows a table with columns for Name, Time, Date time, Trip, km/h, Mb, and Resolution.

Name	Time	Date time	Trip	km/h	Mb	Resolution
GPS Video	1:24	2015/5/19 18:20:20	0.06km	3.6	10	1920x1080

PS: you could choose related maps in your region.



Click “Google Earth” icon to review GPS route on Google Earth program. (PS: make sure Google Earth program is working in your PC.)



GPS tags on Google Earth.



6. Troubleshooting

6.1 Cannot enter Menu of Body Camera

A. Stop Recording prior to entering Body Camera's menu by pressing Record button.

A. Body Camera supports a six character alphanumerical password format. Prior to entering menu of Body Camera, ensure that correct password is entered.

6.2 IR are not turning on

A. IR turn on automatically only if they're set to Auto in the Infrared menu. Otherwise the Infrared will remain disabled.

6.3 Indicator LEDs are not lit

A. If the camera is powered up and Status LEDs are not lit go to Body Camera's menu and select LED Light menu option. Ensure that it is set to ON.

6.4 Body Camera only records for short periods of time

A. In event of Body Camera recording for brief moments then shutting off, please ensure that menu option Auto Power OFF is set to OFF.

6.5 How do I delete videos on the body camera?

Considering the needs of law enforcement, all recorded videos, pictures and sound recording ONLY can be deleted on the computer via USB cable.

6.6 The GPS map does not work.

You can open the GPS track through Google earth. Please make sure Google Earth program is working in the computer. If you don't know how to use please contact us.

If you have any questions, please contact us

Email: **wendy_lgh@163.com**