

# UM795-HD Manual



## IMPOTANT NOTES

- Your camera is fitted with a weatherproof housing according to protection class IP56 (dust and water proof). So the camera can be used outdoors. Nevertheless protect the camera from extreme weather conditions and direct sunlight. The recommended storage and operation temperature is -10 to 40°C.
- Make sure to use fresh batteries of the same type and brand only.
- Use a soft cleaning tissue to clean the camera lens. Avoid touching the lens with your fingers.
- Remove dust and spots at the camera housing with a soft and slightly damp tissue.
- Store the camera at a dry, dust free and cool place when not in use.
- Remove the batteries in case you do not use the camera for a long period of time.
- Do not drop the camera onto a hard surface.

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## 1 Camera description & Overview



## 2 SD card capacity overview

Number of pictures on Photo Mode

	8MP	3MP	1.3MP
2GB SDHC	2330	3495	6990
4GB SDHC	4660	6990	13980
8GB SDHC	9320	13980	27960
16GB SDHC	18640	55920	55920
32GB SDHC	37280	111840	111840

Number of pictures on Video Mode

	HD video 10s/30fps	HD Video 20s/30fps	720p Video 10s/60fps	720p Video 20s/60fps
2GB SDHC	102	53	211	113
4GB SDHC	204	106	422	226
8GB SDHC	408	212	844	452
16GB SDHC	816	424	1688	904
32GB SDHC	1632	848	3376	1808

## 3 Information on loading and exchange of batteries

Insert 4, 8 or 12AA batteries into the battery compartment. 4 batteries are sufficient for camera programming. For the actual use of the camera we recommend to use 12 batteries.

Make sure to respect the correct polarity and use batteries of the same brand and quality.

## 4 Installing your SIM card

The camera supports 3G transmission. You need to open data service of your SIM card. Be sure that the **PIN Code** of the SIM card is **disabled** before using.

If there is no SIM card, the camera will function as a regular trail camera and all photos will store to the SD card.

## 5 Camera Programming

### Important Hints for Menu Control- Menu Navigation

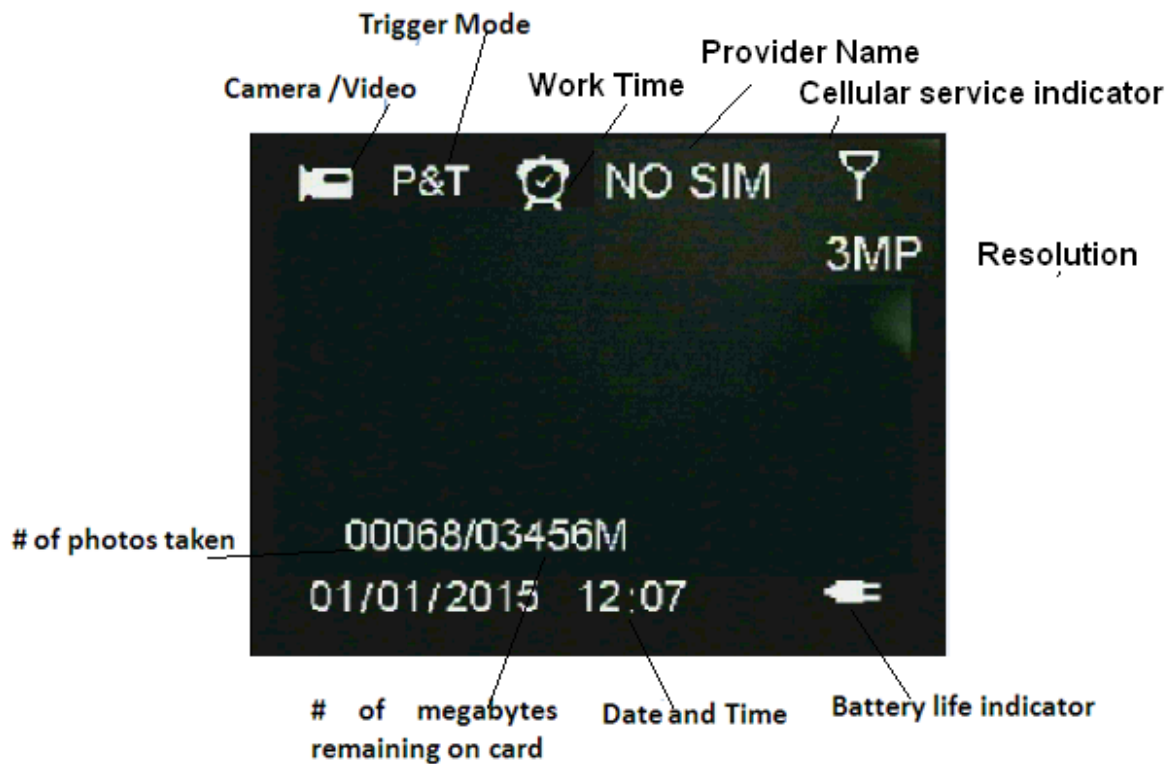
If you do not navigate or make settings, the screen will switch off after 3 minutes. To continue programming, slide the scroll bar to position "OFF" and again to position "SETUP".

All changes must be confirmed by pressing the menu control button "OK", otherwise, they will not become active.

Using these control buttons ▲▼▲▼ you can navigate through the menu.

If you wish to quit a certain menu, press the **MENU** button to reach higher level.

### Display Overview/Starting Menu



## Overview Programming Options



Press the control button "MENU" while in SETUP mode. The symbols shown at the top bar describe the following programming options.

- Recording mode photo/video and all fine adjustments
- Trigger mode and all fine adjustments
- Setting and editing a time frame
- System settings



## Camera Mode



### Photo Mode:

In Photo Mode, you can further set the **Camera Scene**, for example:

You can choose Moving Object in Moving Object mode, it means there is a shorter shutter

release time to reduce blur caused by movements. Also, if you choose Customer, here you can change Photo Size, set Flash power, and Photo Burst.

**Video Mode:**

In Video Mode, you can further set the Video Size and Video Length.

**Picture +Video Mode:**

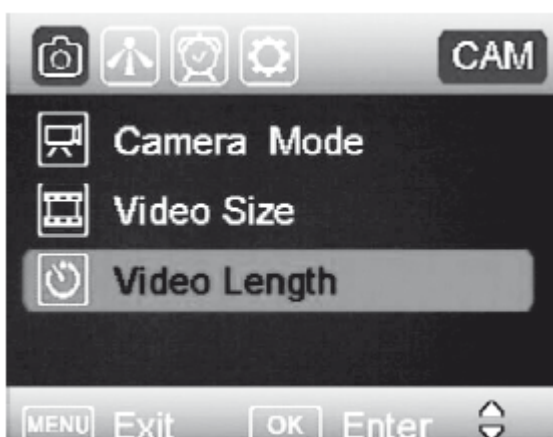
If you select the combination of photo and video, the camera will automatically take a 8MP picture and a video of 10s length with 720p resolution.

## Camera Scene



Auto	8MP Color picture at daylight, 3MP black&white picture at night
Close Object	For distance to object of 3 to 5 meters, the flash range will be adapted accordingly. 8 or 3MP
Moving Object	A shorter shutter release time reduces blur caused by movements. 8 or 3MP
Still Object	A higher light efficiency is granted by a longer shutter release time. 8 or 3MP
2 Bursts(N+M)	2 images per trigger, image no.1 in "Auto" mode, image no.2 in "Movement" mode.
3 Bursts	3 images per trigger in "Auto" mode
Chasing Photo	Take up to 3 photos after the first trigger. It's like to chase the focus.
Customize	For custom setting: Photo Size 1.3MP/3MP/8MP; Flash Power: High, Auto, Low; Photo burst: 1Photo-10Photos..

## Video Mode



Select "video" on Camera Mode, press "OK" to confirm. Then press "MENU" to return to the main menu.

**Video Size:** 1080P, 720P, WVGA

**Video Length:** 5 to 60 seconds selectable by seconds.

If you operate you camera with batteries, we recommend to maximize the video sequences to 20 seconds.



## Trigger Mode Settings



**PIR Sensitivity:** The camera will react on movements and temperature changes.

- Low
- Auto
- High

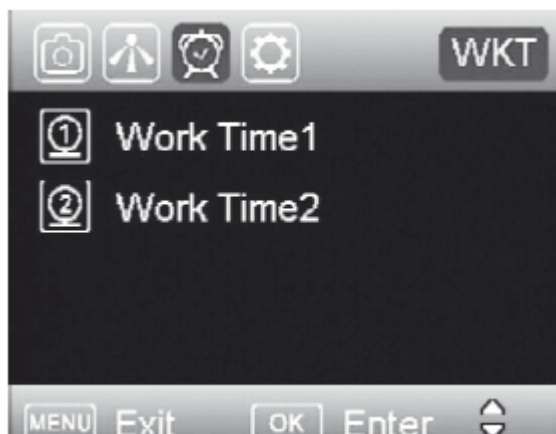
**PIR Interval:** The PIR sensor takes a break in order to avoid unnecessary recordings.

- 0 seconds means the PIR function is opened all the time.
- 5-60 seconds in 5 seconds steps
- 1-5 minutes in steps of 1 minute
- 5-60 minutes in steps of 5 minutes

**Time Lapse:** Camera release at defined intervals:

- 5-60 seconds in 5 seconds steps
- 1-5 minutes in steps of 1 minute
- 5-60 minutes in steps of 5 minutes
- 1-8 hours in steps of 1 hour
- 12,16,20,24 hours in steps of 4 hours.

## Time Frame Setting



### Work Time 1:

Select "ON" or "OFF". Select a work time for the activity of the camera. Now select the weekdays.

### Work Time 2:

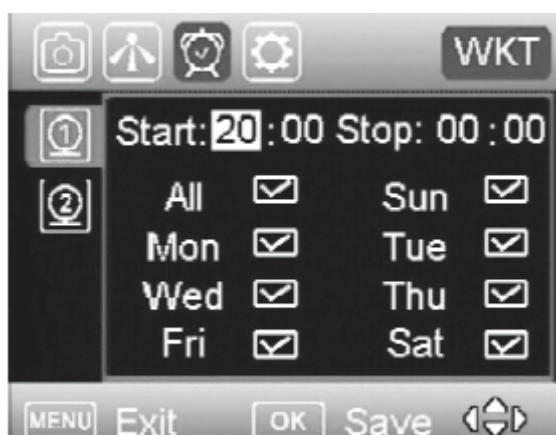
Repeat the steps as in work time 1, if desired.

### Work Time 3:

Repeat the steps as in work time 1, if desired.

### Work Time 4:

Repeat the steps as in work time 1, if desired.



If you wish the camera to be active permanently, select the time frame menu and switch it "OFF".

### Note:

1. Work hour: 00:00-00:00 means 24 hours.
2. Start: 20:00 Stop: 10:00 means 00:00-10:00 am and 20:00-24:00 of the chosen day.

## System Settings



The following settings can be done. (Information about navigation please see chapter camera programming)

### Set Clock

You can choose different date formats according to different countries to set date and time.

### Password:

Select "On" and enter a 4 digit code to protect the camera from unauthorized use. Be sure to note the password and store the code at a safe place. It will not be possible to reset the code on your own. Select "Off", if you do not wish to use a password. The pre-set code is 0000.

### Rename:

Enter a name that will be shown on each picture stamp.

### Beep:

Activate or deactivate the beep tone for the control key use.

### Overwrite

Save the new data file to overwrite the old data file when SD card is full.

### SD card formatting:

Delete all data of your memory card. Be sure that you won't need the data any more.

### Default:

With a reset to factory settings, all your own settings will be lost.

### Software Version:

Indicate the software version in case of contact to our service agents.

## 6 Setting up the wireless network

### Send Mode

Press **MENU**, press the ► button 2 times to highlight the **NET** tab. Choose **Send Mode**-> **Instant**. It means you opened the Web Portal function.

**Instant:** To enable the wireless function. Only when you choose **Send Mode** as **Instant**, the camera will send out the pictures to the web portal, and customers can view or download the pictures from the web site.

**Off:** To disable the wireless function. The camera will not send out the photos taken, also can't be remote controlled.



## Send Image

You can choose 0.5MB, 1.2MB and 3MB picture size to sending out to the web portal and download from the web portal.



## Remote Control

Choose Off, Real Time, Delay 0.5H, Delay 1H, Delay 2H, Delay 3H, Delay 4H, Delay 6H, Delay 12H.

**Real Time** means the camera will respond to the control command timely.

**Delay** means the camera will respond to the control command with a time delay.



## Activation

Customers must activation the Verizon camera in the Verizon home network area. If the camera

is activated successfully, it shows "Activation Success". If the camera is not been activated, it shows the error code.



## FW Download

Press FW Download button, the camera will download the newest FW from the web site.



## 7 Operation on web portal

With the help of the web portal, customers will be much easier to view the pictures or remote control their cameras. You just need

- 1) Create an account on Covert website.
- 2) Add your camera to our account(Here needs the MEID number, which you can find on the camera lable)
- 3) Then operate according to the operation instructions on the website.

## 8 Viewing/Deleting Images &Video Films

Slide the scroll bar to "SETUP" position and confirm by press the "OK" button. Using the "UP" and "Down" buttons you can view all recording. Pressing the "Menu" button, you can now delete all or selected recordings.

## 9 Tricks and tips on field setup

For best results, mount the camera approximately 1-1.5 meter off the ground and 3-15 meters. To enhance the flash, we recommend positioning the camera in an area with a backdrop to reflect the maximum amount of light.

## 10 Specifications

Model Name	UM795-HD
Picture Resolution	12MP,10MP,8MP,3MP,1.3MP, image format JPEG
Video Resolution	HD 1080p/30 fps, 720p/60fps, WVGA/60fps with Audio Video format MOV/ Codec H264
Lens	F/NO=2.2 FOV(Field of View)=58°
Flash	60 invisible BLACK VISION LEDs,940nm
Flash Range	Adjustable High/Medium/Low
Motion Detector Range	Up to 20m, depending on weather conditions
Trigger Time	0.6 second
Display Screen	2.4" LCD
Memory Card	Up to 32GB
Weight	0.4 kg(without battery)
Operation/Storage Tem.	-20 - +60°C / -30 - +70°C
Power Supply	4×AA, 8×AA or 12AA DC: (5V-12V)/2A adapter
Stand-by Current	< 0.3 Ma (<7mAh/Day)
Low Battery Alert	LED Indicator;
Mounting	Belt/Python lock/Mounting bracket
Dimensions	166 x130 x67 mm
Operation Humidity	5% - 90%
Security authentication	CE, RoHS

# 11 FCC statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

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 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **RF exposure warning**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. User should avoid un-intended operation of usage when it is collocated with other transmitters or antenna. The distance between user and products should be no less than 50 cm during normal operations.