



HDMI Digital Camera Package for OPERATION MANUAL

For use with Item# B6-8187



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Thank you for purchasing UNICO HDMI Camera package. Please read the manual prior to use.

Package contents:

- HDMI Digital camera 1 unit
- HDMI cord 1 unit
- Wireless USB mouse 1 unit
- SD card 1 unit
- SD card USB reader 1 unit
- AC adapter 1 unit
- User Manual 1 unit

NOTE: The adapter connecting the camera to your microscope is required and is NOT included in this package.

NOTE: High resolution monitor with built in HDMI port recommended. The use of port converting adapters is NOT recommended and NOT supported.

NOTE: Wireless USB mouse using 1 AA battery. The battery is NOT included in this package.

Camera Specifications:

Image Sensor	1920*1080 FULL HD Sensor 1/2.86inch
Effective Pixel	1920*1080
Pixel Size	2.75*2.75um
Frame Rate	30fps
Definition	Full HD
Lens Mount	C/CS
White Balance	Auto/Manual
Digital Magnification	Up to 10X
Brightness Control	Auto/Manual
Color	Auto / R/G/B Adjustable
Freeze Function	Yes
Video Capture	Yes
Image Capture	Yes
Output	HDMI
Storage	SD card up to 8GB
USB	2.0 for wireless mouse

Camera Installation

- Remove the cover from the C-mount adapter and connect it to the front camera lens
- Connect the other end to the back of the colposcope head. The threaded ends of the c-mount adapter are different size so there is only one way to connect it
- Insert the USB mouse adapter into the USB 2.0 slot on the back of the camera
- Insert the SD card in to the SD card slot on the back of the camera
- Insert the HDMI cord in to the HDMI slot on the back of the camera
- Insert the other end of the HDMI cord into the HDMI input slot of your monitor
- Insert the AC adapter into the DC12V inlet on the back of the camera
- Plug the AC adapter into appropriate AC outlet

You are now ready to start using the camera

Using the HDMI camera

- Turn on the microscope and focus according to your normal protocol
- Turn on the monitor. You should see the camera feed on screen
- Use the diopter adjustment on the c-mount adapter to focus the camera
- Bring the mouse pointer to the bottom of your screen to display the onscreen menu
- Click the required function to make adjustment or capture image/video
The image /video are automatically stored on the SD card. Refer to the On Screen Menu section of this manual for details
- When finished remove the SD card from the camera and insert it in to the SD port of the card reader included
- Insert the reader into the USB port of your computer. The SD card will show as an additional drive on your system. You can now cut/copy images or video to a preferred location on your system

On Screen Menu



Zoom in up to 10x



Zoom out to 1x



Flip image vertically



Flip image horizontally



Freeze/Unfreeze on screen image



B&W / Color mode



Enhanced mode



Contrast adjustment



Capture image



Capture video



SD card preview



Format SD card. WARNING!! All data will be lost!!!



Advanced settings



Cross line. This Functionality is not supported!

Advanced Settings - manually adjust camera settings. Use Reset to return to default.

Setting	Value
Auto Exposure	Checked
Exposure time	1
White balance	AWB
Flicker	50HZ
Contrast	8
Saturation	8
Brightness	10
Sharpness	2
Denoise	2
Red	24
Blue	21