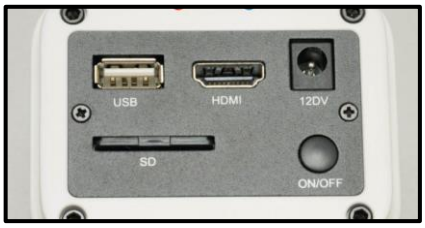
MODEL NAME	**HDMI5**
ECN#	**630-2947**
SHORT DESCRIPTION	**HDMI camera for high definition scientific color imaging**





LONG DESCRIPTION

camera equipped with 5.0 Megapixel color CMOS 1/2.5'' sensor with amazing color fidelity. It has dual output: HDMI and USB2.0, it is supplied with a 4GB removable memory SD-Card and a built-in mouse to control directly the camera functions. The user can easily operate and modify camera parameters through the on-board software (no computer needed) and the mouse included. The camera provides live video images in full high definition (1080p), can capture images and videos directly into the provided memory SD-card or on a computer through the included software for advanced Image analysis.

CAMERA SPECIFICATIONS

Resolution	2592x1944 (5MPixel)
Sensor Type	CMOS Aptina MT9P031
Sensor Size	1/2.5"
Max frames per second	15fps @1920x1080 via HDMI 15fps @1920x1080 via USB2.0
Video recording	1080p 15fps @SD card 1080p 15fps @PC
Pixel Size	2.2µm×2.2µm
Data inferface	HDMI and USB 2.0
Exposure Time	0.001 sec. – 10 sec.
Exposure control	Automatic, Manual
White Balance	Automatic
Operating Temperature	-10°C up to + 50°C
Operating humidity	30% to 80% RH not consending
Power supply	DC 12V/2A
Dimensions / Weight	71mm x 78mm x 95mm / 450g
Lens Mount	Standard C-mount

BUILT-IN CAMERA SOFTWARE, WHEN USED IN HDMI MODE. FUNCTIONS:

- Exposure from 1ms to 10sec, Gain, Automatic exposure, Color correction
- Noise redution to clean image clean and sharp
- 1080p video recording
- Image flip, rotation, ROI
- Images comparison function: compare a live image with a saved image
- Browse captured images and playback recorded video directly from SD-card

IMAGE ANALYSIS SOFTWARE FOR PC, WHEN USED IN USB MODE. FUNCTIONS:
• Live preview, Image and video capture, Resolution selecion • Exposure manual & automatic, gain, gamma • Measurements (line, circle, rectangle, polygon, arc, angles, …)and labeling • Save measurement results in table • Measurements calibrations, Table of calibrations with names • colors channels adjustment, contrast, saturation, brightness • White balance, black balance, flip and rotate images • Flat field, Image stitching • Fluorescence imaging, black level adjustment, gain and exposure adjustment, real-time histogram, combine images, split images into RGB channels • HDR image function combines 3 different brightness images to get wide dynamic range image • Add comments to image, time and date • File saving control panel, Image informations • Customize and save parameters

SYSTEM REQUIREMENT	
Operating system	Windows XP / Win Vista / Win 7 / Win 8 / Win 10 (32 o 64 bit) MAC OSx
PC requirements	CPU: Equal or higher to Intel Core2 2.8GHz, HD at least 10GB, RAM at least 2GB, USB2 port or higher

PACKAGE INCLUDES	
	Camera, HDMI cable, USB cable, power supply, mouse, memory card (8 Gb), documentation

Key features: dual output, real versatility of use**,** Intuitive use, high color image fidelity, built-in software, driver-free when used with PC