

# HD-CAM

## HDC-3000 - HD Digital Video Camera

Superb picture quality – 2 MEGAPIXEL HD CMOS SENSOR

Multiple output Mode with Direct HD video output to VGA Monitor/LCD without PC or Converter, microSD Card Image & Video Recording and optional USB2.0 to PC Software



Standard VGA  
Direct Connect



Simple connection & operation.

No PC required.

Example 19" Wide Screen LCD

HD-Cam high-definition capabilities offer significant advancements over traditional analog cameras. Flicker-free 60hz monitor refresh rate with real time 25FPS at 2.0 Megapixels.

25fps

2.0MP



Up to 32GB

Built in Micro SD(TF)  
Card Support for Image  
Capturing & Video  
Recording with easy  
1 push operation.

Optional USB2.0 Output  
(Additional) to PC



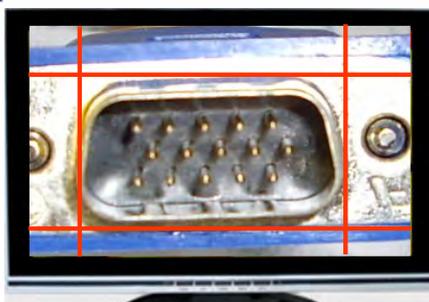
HI-SPEED  
USB

24bit Color Output with On-board DSP color enhancement processing and 12bit ADC for excellence color reproduction. Ultra high resolution multi format output to monitor, pixel(s) to pixel for high detail video, without stretching the picture.



Different from HDTV camera with HDMI output, **HD-Cam** Camera output standard VGA (SXGA,WXGA etc.) signal to monitor, which is now a common input for LCD & Plasma monitors. With it's VGA connection and multi formats selection (XGA to WXGA), user can opt for small LCD (10", 12" etc.) with high definition or large LCD (19", 30" etc.). Even on the big monitor screen display, unlike normal analog camera, there is no image distortion because of **HD-Cam's** megapixels sensor, which delivers high definition crisp picture.

**HD-Cam** takes advantage of the power and efficiency of HD technology that is revolutionizing this market. Its applications: microscopy, production visual inspection, medical imaging, QC, food processing, surveillance, general inspection etc..



Built in Cross hair / line generator on live video, up to 6 lines or 3 sets of cross hair with selectable line color and adjustable position.



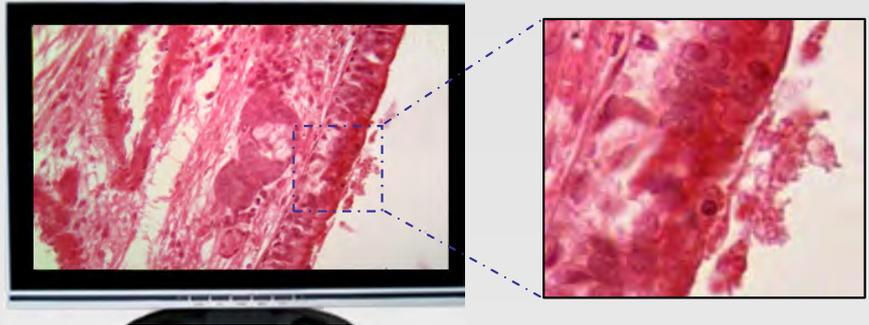
# HDC-3000 - HD Digital Camera with SD Card



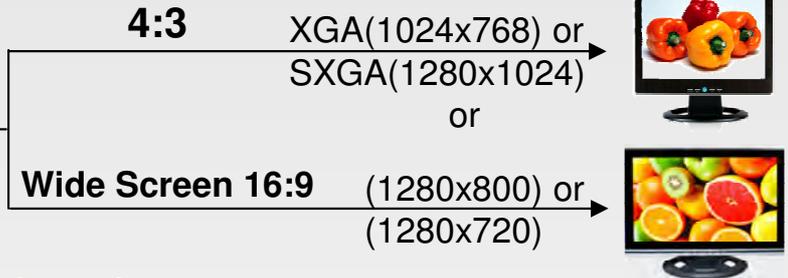
**2 MEGAPIXEL HD CMOS SENSOR**

HD-Cam's flicker-free, clearer & sharper picture reduces eye strain when observing image details, increase productivity and improve inspection accuracy.

Up to **4X** higher resolution than traditional analog camera, providing much sharper & crisp image display, and allow to view more details.



Selectable video output format for 4:3 or 16:9 monitor & different resolutions (4 modes)



Easy 1-Push White Balance for best color reproduction under different environment and lighting. Settings auto saved in camera internal memory.



Other features:

Image Freeze

Crosshair

1~Push WB

Invert Color

12bit-ADC

50/60Hz

## HDC3000 Specifications

Image Sensor	HD-CMOS UXGA SOC
Sensor Size	1/3"
Total pixels (Effective)	2.0 Megapixels
VGA Output Format	(4:3) 1024x768,1280x1024, (Wide,16:9) 1280x720,1440x900
Frame-Rate	25 fps
Output Interface	Standard VGA, D-Sub 15-pin
Sensitivity Mode	High/Low (Clock Speed)
Exposure/Gain Control	Auto / Fixed
Scan Mode	Progressive
Color Depth	24-Bit
Exposure Time	0.07 - 133ms
Dynamic Range	61dB
White Balance	Auto WB / Fixed with One-Push WB
Pixel Size (μm)	2.8x2.8
Imaging Area (mm)	4.73x3.52
Dimension	55 x 46 x 93mm
Lens Mount	C/CS- Mount
Power Requirement	DC 5V, 1A
Operation Temperature	-5 ~ 60°C

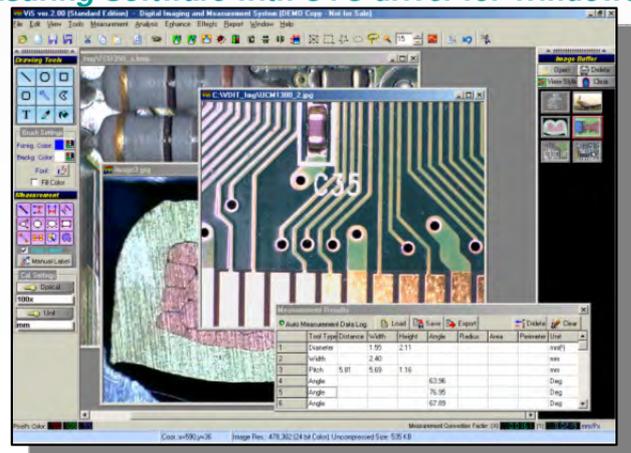
## Optional USB2.0 Output to PC with Measuring Software

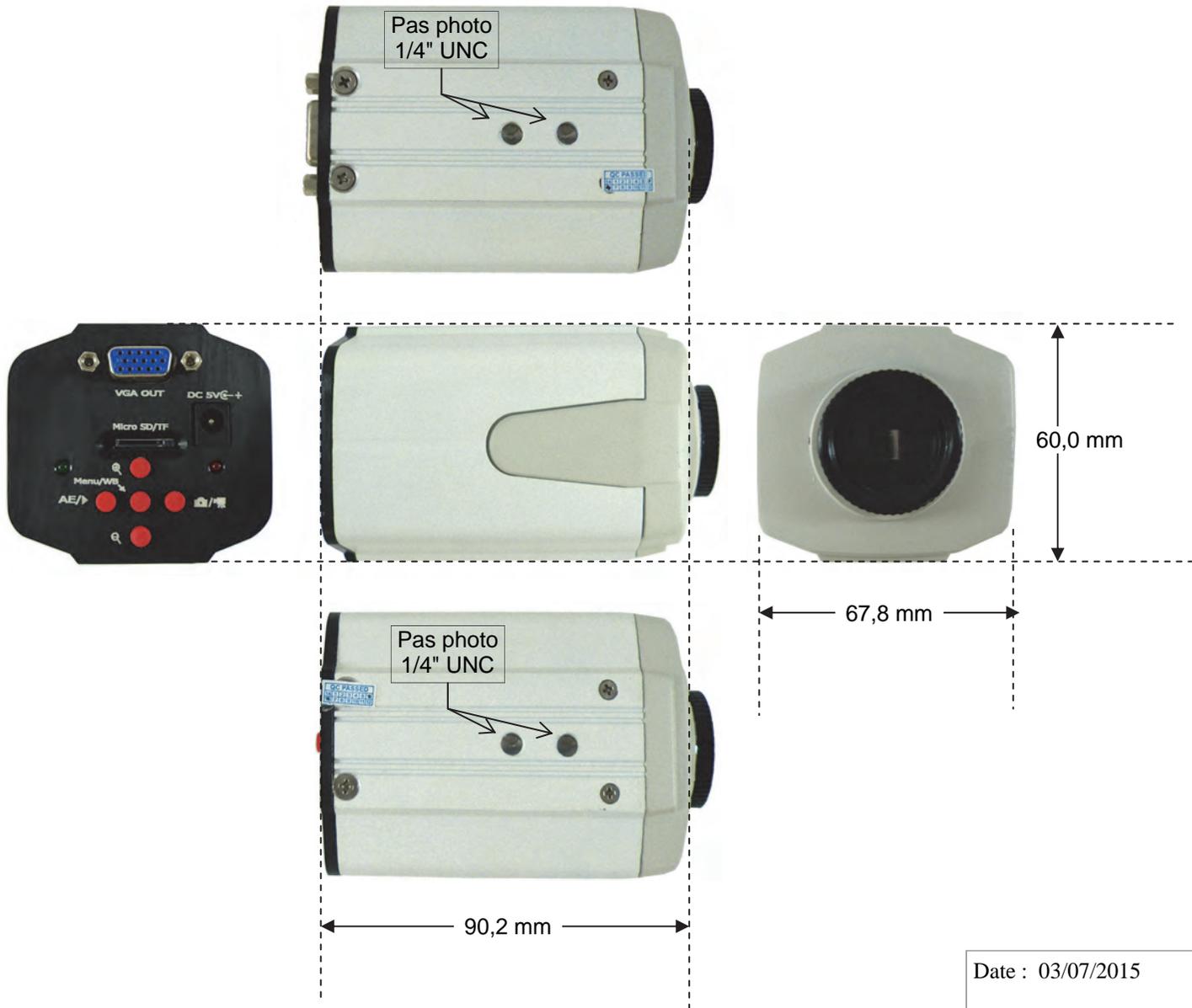


Simultaneous Video Display on LCD and PC



Easy connection with VIS-Plus Image capture & measuring Software with UVC driver for Windows.





Date : 03/07/2015

### HDC-3000 - Dimensions

