

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .



Aven's Complete Product Line : Microscopy and Inspection : Digital Microscopes : Cyclops Digital Microscope

Cyclops Digital Microscope • Product # 26700-400



Rating: ★★★★★

Product # : 26700-400

Overview : Cyclops digital microscope with built in HDMI and USB outputs. 15x-270x magnification in HDMI mode on a 21.5" HD monitor and maximum of 534x magnification in USB mode. 4x (included) and 10x (optional) interchangeable objective lenses. 30 LEDs with brightness control provides illumination to meet a variety of application needs. Heavy duty metal stand, remote and cables included. Unit comes standard with 4x objective lens.



Description Features **Specs** Video

Cyclops Digital Microscope

Image Sensor	1/4" Color CMOS
Effective Pixels	5M
Signal Output	HDMI and USB
Video Format	AVI
Frames Per Second	30fps
Magnification	See Magnification Tables
Gain Control	Automatic
Snap Shot Mode	Hardware & Software controls
White Balance	Manual and Automatic
Power Source	DC 5V/2A input; Cable length 180cm
O/S	Windows 7 & 8

Power Consumption	110mA (AVG)
LED Lighting	30 White LEDs with brightness & sector control
Dimensions	106 x 152mm
Weight	0.70lb 310g
Package Contents	Cyclops Digital Microscope 4x Objective lens HDMI cable USB 2.0 cable Power adaptor Metal stand White balance card Calibration scale Software CD IR remote

Magnification Tables

Object Lens 4x on 21.5" screen
(this data is only for reference)

Sensor Position	1	2	3	4	5	6	7	8
Distance (cm)	21.8	18.1	11.1	8.02	6.37	5.25	4.46	3.91
F,S FOV (mm)	26.2	21.9	13.3	9.52	7.49	6.15	5.18	4.52
C FOV (mm)	19.4	16.2	9.80	7.04	5.54	4.55	3.83	3.34
F Magnification (X)	13	16	27	37	47	58	69	79
S Magnification (X)	17	21	35	49	62	77	91	105
C Magnification (X)	23	28	48	66	84	104	124	142

Sensor Position	9	10	11	12	13	14	15
Distance (cm)	3.49	3.13	2.85	2.62	2.44	2.26	2.13
F,S FOV (mm)	3.99	3.56	3.22	2.94	2.71	2.50	2.34
C FOV (mm)	2.95	2.63	2.38	2.18	2.01	1.85	1.73
F Magnification (X)	89	100	111	121	132	143	152
S Magnification (X)	118	133	147	161	175	190	202
C Magnification (X)	160	180	199	217	237	257	273

Object Lens 10x on 21.5" screen
(this data is only for reference)

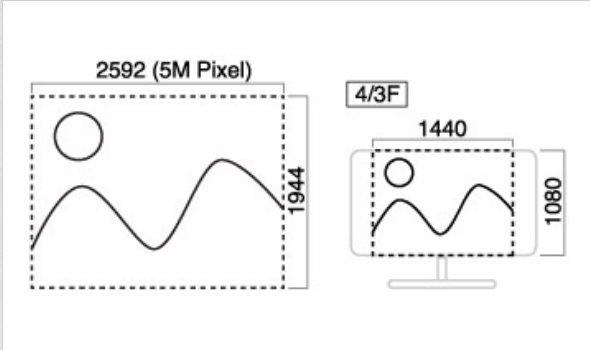
Sensor Position	1	2	3	4	5	6	7	8
Distance (mm)	9.85	9.35	9.00	8.65	8.35	8.10	7.88	7.66
F,S FOV (mm)	1.41	1.31	1.22	1.14	1.07	1.01	0.96	0.91
C FOV (mm)	1.04	0.97	0.90	0.84	0.79	0.75	0.71	0.67
F Magnification (X)	253	273	293	313	334	354	372	393
S Magnification (X)	337	363	390	417	445	471	495	523
C Magnification (X)	455	491	527	563	601	637	669	707

Sensor Position	9	10	11	12	13	14	15
Distance (mm)	7.46	7.28	7.10	6.96	6.84	6.74	6.64
F,S FOV (mm)	0.87	0.83	0.79	0.76	0.73	0.70	0.67
C FOV (mm)	0.64	0.61	0.58	0.56	0.54	0.52	0.50

F Magnification (X)	411	431	452	470	490	511	534	
S Magnification (X)	547	574	602	626	653	681	711	
C Magnification (X)	739	775	813	846	882	919	961	

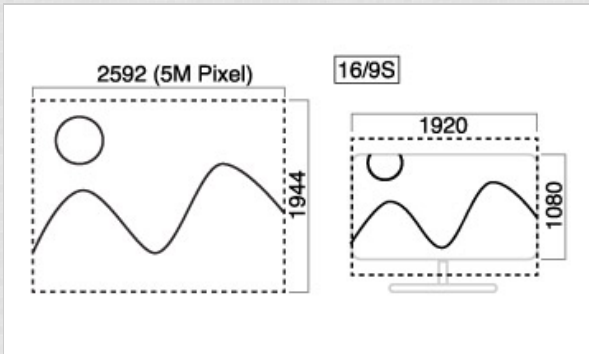
Video Ratio

- o **4/3F:** Formats the image to fit a 4:3 screen size (1440*1080) by proportionally reducing the input image to fit the screen.



- o **16/9S:** Formats the image to fit a 16:9 screen size (1920*1080) by scaling the input image width and trimming the height to fit the screen. The magnification

will also increase.



- o **16/9C:** Formats the image to fit a 16:9 screen size (1920*1080) by cropping the input image (1920*1080) from input image 5M (2595*1944). The FOV

becomes smaller and magnification becomes higher.

