

GLOBE DIGITAL MICROSCOPES

*** *New Model* ***



Model HKS-D1

Specification:

Viewing Head: Inclined at 30 deg. and rotatable through 360 deg. with 3 Mega pixel CMOS camera and adaptor.

Eyepeices: Standard WF10X (wide field, field of view diam. 18mm)

Achromatic Objectives: 4X, 10X, 40X (spring), 100X oil (Spring)

Magnification: 40X - 1000X (standard)

Interpupillary Distance: 55mm - 75mm.

Mechanical Stage: Flat-top stage : 153mm surface x 135mm surface with 80mm (x) by 50mm (Y) movement, graduated with vernier reading to 0.1mm, detachable specimen guide.

Condensers: Abbe N.A. 1.25 condenser with iris diaphragm and filter

Focusing Range: 30mm.

Fine focusing Scale Value : 0.002mm.

Light Source: Built in Kohler illuminator 6V 20W halogen lamp, adjustable brightness.

Body size: 270 (L) x 210 (W) x 450 mm (H) approx.

Power: AC 85 to 265V 50/60 Hz.

Packaging: Vinyl dust cover and styrofoam case.

Optional parts: Eyepiece : WF16X, WF20X

Achromatic Objectives : 20X (S), 60X (S)

Semi-Plane objective : 4X, 10X, 40X(S), 100X oil (S).

Plane objective : 4X, 10X, 40X(S), 100X oil(S)

Dark field and phase contrast device.

** Specifications subject to change without prior notice **

Camera of HKS-D1 Specificaiton

Product features

High speed USB2.0 interface, 480Mb/s;
 Real 3Mega pixel colorful CMOS no interlace image scanning sensor, no compaction, no interpolation ;
 Support Static image (JPG, BMP)
 Hardware and SDK support later image process functions as explosion time, chromatic aberration, brightness, contrast, saturation ;
 Rich and vivid colorful image, high quality relative to middle-high level digital camera ;
 Provide intract API and Demo source code ;
 PNP, no external power needed ;
 Windows 2000 and XP compatible ;
 Comatable with standard C interface and all kinds customized lens :
 Durable alloy shell ;
 Precise image reduction ;
 Plenty of external in-phase control resources.



Data sheet

Name of Product	USB 2.0 CMOS colorful 3Mega pixel camera
Image Sensor	1/2" colorful 3Mega CMOS image sensor
Pixel size	3.2um x 3.2um
Spectrum response	400nm to 1000nm
Sensitivity	1.0v/lux -sec@ 550nm
Scan method	No interlace
Shutter Type	ERS (Electronic rolling shutter)
Resolution	1280x1024, 640x480, 320x240
Frame rate	6 f/s @ 1280x1024
White balance	Support automatic /manual adjustment
Automatic exposure control	Support automatic /manual adjustment
Image output	USB 2.0 , 480M b/s
Power Supply	USB 2.0
Dynamic range	62dB
Programmable Control	Image size, brightness, gain, exposure time
Software	Image display, image adjustment, record
Operational temperature	0 deg.C to 50 deg.C

** Specifications subject to change without prior notice **

GLOBE DIGITAL MICROSCOPES

*** *New Model* ***



Model HKS-D2

Specification :	
Viewing Head :	Inclined at 30 deg. and rotatable through 360 deg. with 1.3 Mega pixel CMOS camera and adaptor.
Eyepieces :	Standard WF10X (wide field, field of view diam. 18mm)
Achromatic Objectives :	4X, 10X, 40X (spring), 100X oil (Spring)
Magnification:	40X - 1000X (standard)
Interpupillary Distance :	55mm - 75mm.
Mechanical Stage :	Flat-top stage : 125mm surface x 115mm surface with 70mm (x) by 25mm (Y) movement, graduated with vernier reading to 0.1mm, detachable specimen guide.
Condensers :	Abbe N.A. 1.25 condenser with iris diaphragm and filter
Focusing Range :	25mm.
Fine focusing Scale Value :	0.002mm.
Light Source :	Built in illuminator 6V 20W halogen lamp, adjustable brightness.
Body size :	210 (L) x 170 (W) x 340mm (H) approx.
Power :	AC 85 to 265V 50/60 Hz.
Packaging :	Vinyl dust cover and styrofoam case.
Optional parts :	Eyepiece : WF16X, WF20X Achromatic Objectives : 20X (S), 60X (S)

** Specifications subject to change without prior notice **

Camera of HKS-D2 Specificaiton

Product features

- High speed USB2.0 interface, 480Mb/s;
- Real 1.3Mega pixel colorful CMOS no interlace image scanning sensor, no compaction, no interpolation ;
- Support Static image (JPG, BMP)
- Hardware and SDK support later image process functions as explosion time, chromatic aberration, brightness, contrast, saturation ;
- Rich and vivid colorful image, high quality relative to middle-high level digital camera ;
- Provide integrated API and Demo source code ;
- PNP, no external power needed ;
- Windows 2000 and XP compatible ;
- Comatble with standard C interface and all kinds customized lens :
- Durable alloy shell ;
- Precise image reduction ;
- Plenty of external in-phase control resources ;



Data sheet

N am e of product	U SB 2 .0 C M O S 1 .3M ega pixel colorful cam era
Im age Sensor	1 .2 ' colorful C M O S im age sensor
Pixel size	5 .2um x 5 .2um
Spectrum response	400nm to 1000nm
Sensitivity	1 .8v/lux - sec @ 550nm
Scan method	No interlace
Shutter type	ERS (E lectronic rolling shutter)
Resolution	1280 x 1024
Frame rate	14 f/s @ 1280 x 1024
White balance	Support autom atic /m anual adjustm ent
Autom atic exposure control	Support autom atic /m anual adjustm ent
Im age output	U SB 2 .0 , 480M b/s
Power supply	U SB 2 .0
Dynam ic range	62 dB
Program m able control	Im age size, brightness, gain, exposure tim e
Softw are	Im age display, im age adjustm ent, record
Operational tem perature	0 deg C to 50 deg C

** Specifications subject to change without prior notice **