# U3SMT130GC USB3. 0 Camera



Resolution: 1.23 MP

◆ Frame Rate: 54 fps

◆ Mono/Color: Color

Shutter: Global Shutter

Data Interface: USB3.0

U3SMT130GC is a brand-new USB3.0 industrial camera launched by our company. The transmission speed of USB3.0 series is greatly improved compared with USB2.0 and GigE camera. The transmission bandwidth of 5Gbps can still have higher frame rate and faster transmission speed under high pixels with high-speed sensor. The size is only 29mm x 29mm x 29mm. The USB3.0 interface has a locking seat. It is plug and play without power supply, and can be flexibly installed in different structures.

U3SMT series excellent performance, compact and lightweight. affordable, easy to install and use. Compatible with third-party machine vision development software. Our company provides a complete SDK development package and all-round technical support to help your project quickly landing. U3SMT series are suitable for transmission speed, Stability, compatibility, volume, cost-effective applications with strict requirements.

### CHARACTERISTIC

- CMOS sensor, 1. 23 MP
- Support hardware triggering, flash sync
- USB3.0 connecter with locking seat, plug and play without power supply
- Support Windows, Android, Linux, MacOS
- The camera with frame buffer, Multiple cameras working simultaneously

### SELECTION KEYPOINT

- No external power supply is required
- Aximum transmission rate 5 Gbps
- The effective transmission distance is 5 metres
- Small, suitable for more application scenarios

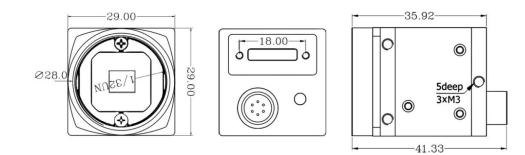
# **U3SMT130GC**

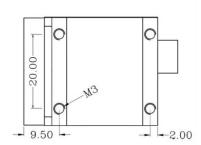
# TECHNICAL PARAMETER

Resolution         1.23MP           Type         1.23MP 1/3" USB3.0 Camera           Sensor         ASU34           Mono/Color         Color           Shutter         Global Shutter           Resolution(UAV)         1280,980           France Rate         54fps           Sensor size         1/3"           Pixel size         3.75hu x 3.75hu           SNR         38dB           Gain         44B           Dynamic Range         54dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lures           Pixel Format         Mono 8/10 Rayer 8/10           Binninz         Supports 1×1.1 ×2. 2×1. 2×2           User parameter area         4K Bytes           User parameter area         5KD, O & Solps	Model	U3SMT130GC
Sensor Type         CMS           Sensor         AR0134           Mono/Color         Color           Shuter         Global Shuter           Resolution(ix)         1280x800           Frame Rate         547ps           Sensor size         1/3*           Pixel size         3.75m x 3.75m           SNR         384B           Gain         44B           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         3. 3 Vlux-s           Pixel Bit depth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1. 1×2. 2×1. 2×2           Image huffer         128H Hytes           Capture mode         Contineous/Soft trigger/Hard trigger           Data Interface         USB3.0 e Sohps           transmission distance         m           Urgital 1/0         1/0: One opto-isolated input, and two opto-isolated output           Power consumption         <3.5 w85 WC           Diseasion         25mm x 25mm x 25mm (excluding len holder and interface)           Lens munt         Commit / CS-munt           Ingress protection         1P30           Weight (typical)<	Resolution	1.23MP
Sensor         AR0134           Mono/Color         Color           Shatter         Global Shatter           Resolution(fkV)         1280x960           Frame Rate         54fps           Sensor size         1/3"           Pixel size         3.75Pa x 3.75Pa           SNR         38dB           Gain         44B           Dynamic Range         64dB           Exposure Time         0.0286-30000ms           Smistivity         5.3 V/lux-s           Pixel Bit depth         8/10bit           Pixel Format         Mone 8/10 Bayer 8/10           Binning         Supports 1×1, 1×2, 2×1, 2×2           Bage buffer         128M Bytes           User parameter area         1K Bytes           User parameter area         2K Bytes           Digital I/O         1/O: One optor-isolated input, and two optor-isolated output           Power consumpt in         >3.5 w85 VIC	Туре	1.23MP 1/3" USB3.0 Camera
Mono/Color         Color           Shutter         Global Shutter           Resolution(HxV)         1280x960           Frame Rate         54fps           Sensor size         1/3°           Pixel size         3.75µm x 3.75µm           SKR         38dB           Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux-s           Pixel Bit depth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1, 1×2, 2×1, 2×2           Isage buffer         128B Bytes           User parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Hard trigger           Lat Interface         USB3, 0 % 56bps           transmission distance         5m           Digital I/O         I/O: One optor-isolated input, and two opto-isolated output           Power consumption         23.5 %5 VC           Dimension         29mm x 29mm (excluding len holder and interface)           Lens mount         C-mount / C5-mount           Ingress protection         Working temperature: -30° C to 50° C (32° F to 122° F)           Storage temperature	Sensor Type	CMOS
Shutter         Global Shutter           Resolution (BkV)         1280x960           Frame Rate         54fps           Sensor size         1/3°           Pixel size         3.78lm x 3.78lm           SNR         38dB           Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux*s           Pixel Bit depth         8/10bit           Pixel Pormat         Mono 8/10 Rayer 8/10           Binning         Supports 1×1, 1×2, 2×1, 2×2           Inge buffer         1280 Rytes           User parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Hard trigger           Data Interface         1583.0 @ 50bps           Transmission distance         5           Bower supply         5VCC, USB3.0 power supply           Power consumption         < 2.5 785 VDC           Diension         29m x 29m x 29m x 29m (excluding len holder and interface)           Lens mount         C-mount / CS-mount           Ingress protection         1730           Weight (typical)         56g           Temperature         Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) </td <td>Sensor</td> <td>AR0134</td>	Sensor	AR0134
Resolution(HxYV)         1280x960           Frame Rate         54fps           Sensor size         1/3"           Pixel size         3.75/m x 3.75/m           SNR         38dB           Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.8 V/tux-s           Pixel Bit depth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1. 1×2. 2×1. 2×2           Image buffer         128M Bytes           User parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Hard trigger           Data Interface         USB3.0 & Sofbps           Transmission distance         5m           Digital I/O         1/O: One opto-isolated input, and two opto-isolated output           Power supply         5VDC, USB3.0 power supply           Power consumption         <3.5 W65 VDC           Lens mount         C-mount / CS-mount           Ingress protection         P30           Weight (typical)         55g           Touperature         Vorking temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) to 158 ° F)           Bunidity <th< td=""><td>Mono/Color</td><td>Color</td></th<>	Mono/Color	Color
Frame Rate         54fps           Sensor size         1/3"           Pixel size         3.754m x 3.754m           SNR         38dB           Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux-s           Pixel Bit depth         8/10bit           Pixel Bit depth         8/10bit           Binning         Supports 1×1, 1×2, 2×1, 2×2           Tange buffer         128M Bytes           Oser parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Blard trigger           Data Interface         USB3.0 @ 56bps           transmission distance         5m           Digital I/O         I/O: One opto-isolated input, and two opto-isolated output           Power supply         5VC, USB3.0 power supply           Power consumption         <5.5 We VIC           Dimension         29mm x 29mm x 29mm (excluding len holder and interface)           Lens mount         C-mount / CS-mount           Ingress protection         1P30           Weight (typical)         55g           Temperature         Working temperature: -30 ° C to 50 ° C (32 ° F to 122 ° F)           Storag	Shutter	Global Shutter
Sensor size         1/3"           Pixel size         3.75 μm x 3.75 μm           SNR         38dB           Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux-s           Pixel Bit depth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1, 1×2, 2×1, 2×2           Binning         Supports 1×1, 1×2, 2×1, 2×2           User parameter are         4K Bytes           Capture mode         Continuous/Soft trigger/Bard trigger           Data Interface         USB3.0 % 56bps           transmission distance         5m           Digital I/O         1/0: One opto-isolated input, and two opto-isolated output           Power supply         SVDC, USB3.0 power supply           Power consumption         <5.5 W%5 VIC	Resolution(HxV)	1280x960
Pixel size   3.75µm x 3.75µm     SNR   38dB     Gain   4dB     Dynamic Range   64dB     Exposure Time   0.0266-30000ms     Sensitivity   5.3 V/lux=s     Pixel Bit depth   8/10bit     Pixel Format   Meno 8/10 Bayer 8/10     Binning   Supports 1×1, 1×2, 2×1, 2×2     Image buffer   128M Bytes     User parameter area   4K Bytes     Capture mode   Continuous/Soft trigger/Hard trigger     Data Interface   USB3.0 @ 55bps     transmission distance   5m     Digital I/O   I/O: One opto-isolated input, and two opto-isolated output     Power supply   5VDC, USB3.0 power supply     Power consumption   23m x 29mm (excluding len holder and interface)     Lens mount   C-mount / CS-mount     Ingress protection   IP30     Weight (typical)   55g     Temperature   Working temperature: 0 " C to 50 " C (32 " F to 122 " F)     Storage temperature: -30 " C to 70 " C (-22 " F to 158 " F)     Humidity   20% to 80% RH, without condensation     Driver   DirectShow, Twain, Halcon, OCX     Software support   Halcon, OpenCV, LabView, Matlab     Development Languages   CC++, VB6, VB, net, Delphi6, C#, QT, C++Builder, LabView, Python	Frame Rate	54fps
SNR         38dB           Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux-s           Pixel Bit depth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1, 1×2, 2×1, 2×2           Image buffer         128M Bytes           User parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Hard trigger           Data Interface         USB3.0 @ 55dps           transmission distance         5m           Digital I/O         I/O: One opto-isolated input, and two opto-isolated output           Power supply         5VDC, USB3.0 power supply           Power consumption         <3.5 W85 VDC	Sensor size	1/3"
Gain         4dB           Dynamic Range         64dB           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux-s           Pixel Bit dopth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1. 1×2. 2×1. 2×2           Image buffer         128M Bytes           User parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Hard trigger           Data Interface         USB3.0 % 56bps           transmission distance         5m           Digital 1/0         1/0: One opto-isolated input, and two opto-isolated output           Power supply         5VDC, USB3. 0 power supply           Power consumption         <3.5 We5 VDC           Dimension         29mm x 29mm x 29mm (excluding len holder and interface)           Lens mount         C-mount / CS-mount           Ingress protection         IP30           Weight (typical)         55g           Temperature         Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)           Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)           Hundity         20% to 80% RH, without condensation           Driver         DirectShow, Twain, Halcon, OCX	Pixel size	3.75µm x 3.75µm
Dynamic Range         644B           Exposure Time         0.0266-30000ms           Sensitivity         5.3 V/lux-s           Pixel Bit depth         8/10bit           Pixel Format         Mono 8/10 Bayer 8/10           Binning         Supports 1×1, 1×2, 2×1, 2×2           Image buffer         128M Bytes           User parameter area         4K Bytes           Capture mode         Continuous/Soft trigger/Hard trigger           Data Interface         USB3, 0 @ 56bps           transmission distance         5m           Digital 1/0         1/0: One opto-isolated input, and two opto-isolated output           Power supply         5VDC, USB3, 0 power supply           Power consumption         <3.5 W65 VDC	SNR	38dB
Exposure Time 0.0266-30000ms  Sensitivity 5.3 V/lux-s  Pixel Bit depth 8/10bit  Pixel Format Mono 8/10 Bayer 8/10  Binning Supports 1×1. 1×2. 2×1. 2×2  Image buffer 128M Bytes  User parameter area 4K Bytes  Capture mode Continuous/Soft trigger/Hard trigger  Data Interface USB3.0 @ 5Gbps  transmission distance 5m  Digital I/O I/O: One opto-isolated input, and two opto-isolated output  Power supply SVDC, USB3.0 power supply  Power consumption <3.5 W65 VDC  Dimension 29mm x 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)  Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Hunidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++ VB6. VB. net. Delphi6. C#, QT, C++Builder, LabView, Python	Gain	4dB
Sensitivity 5.3 V/lux-s  Pixel Bit depth 8/10bit  Pixel Format Mono 8/10 Bayer 8/10  Binning Supports 1×1, 1×2, 2×1, 2×2  Image buffer 128M Bytes  User parameter area 4K Bytes  Capture mode Continuous/Soft trigger/Hard trigger  Data Interface USB3.0 @ 56bps  transmission distance 5m  Digital I/O I/O: One opto-isolated input, and two opto-isolated output  Power supply 5VDC, USB3.0 power supply  Power consumption <3.5 We5 VDC  Dimension 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)  Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Dynamic Range	64dB
Pixel Bit depth 8/10bit  Pixel Format Mono 8/10 Bayer 8/10  Binning Supports 1×1, 1×2, 2×1, 2×2  Image buffer 128M Bytes  User parameter area 4K Bytes  Capture mode Continuous/Soft trigger/Hard trigger  Data Interface USB3.0 @ 56bps  transmission distance 5m  Digital I/O I/O: One opto-isolated input, and two opto-isolated output  Power supply 5VDC, USB3.0 power supply  Power consumption <3.5 We5 VDC  Dimension 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Exposure Time	0.0266-30000ms
Pixel Format       Mono 8/10 Bayer 8/10         Binning       Supports 1×1, 1×2, 2×1, 2×2         Image buffer       128M Bytes         User parameter area       4K Bytes         Capture mode       Continuous/Soft trigger/Hard trigger         Data Interface       USB3.0 @ 5Gbps         transmission distance       5m         Digital 1/0       1/0: One opto-isolated input, and two opto-isolated output         Power supply       5VDC, USB3.0 power supply         Power consumption       <3.5 W@5 VDC	Sensitivity	5.3 V/lux-s
Binning Supports 1×1, 1×2, 2×1, 2×2  Image buffer 128M Bytes  User parameter area 4K Bytes  Capture mode Continuous/Soft trigger/Hard trigger  Data Interface USB3.0 @ 5Gbps  transmission distance 5m  Digital 1/0 I/O: One opto-isolated input, and two opto-isolated output  Power supply 5VDC, USB3.0 power supply  Power consumption <3.5 We5 VDC  Dimension 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB, net, Delphi6, C#, QT, C++Builder, LabView, Python	Pixel Bit depth	8/10bit
User parameter area 4K Bytes  Capture mode Continuous/Soft trigger/Hard trigger  Data Interface USB3.0 @ 56bps  transmission distance 5m  Digital I/O I/O: One opto-isolated input, and two opto-isolated output  Power supply 5VDC, USB3.0 power supply  Power consumption <3.5 W@5 VDC  Dimension 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)  Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow. Twain. Halcon. OCX  Software support Halcon. OpenCV. LabView. Matlab  Development languages C/C++. VB6. VB. net. Delphi6. C#. QT. C++Builder. LabView. Python	Pixel Format	Mono 8/10 Bayer 8/10
User parameter area 4K Bytes  Capture mode Continuous/Soft trigger/Hard trigger  Data Interface USB3.0 @ 5Gbps  transmission distance 5m  Digital I/O I/O: One opto-isolated input, and two opto-isolated output  Power supply 5VDC, USB3.0 power supply  Power consumption <3.5 W@5 VDC  Dimension 29mm x 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Binning	Supports $1\times1$ , $1\times2$ , $2\times1$ , $2\times2$
Capture mode  Data Interface  USB3. 0 @ 5Gbps  transmission distance  Digital I/O  I/O: One opto-isolated input, and two opto-isolated output  Power supply  5VDC, USB3. 0 power supply  Power consumption  29mm x 29mm (excluding len holder and interface)  Lens mount  C-mount / CS-mount  Ingress protection  IP30  Weight (typical)  55g  Temperature  Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  Driver  DirectShow, Twain, Halcon, OCX  Software support  Halcon, OpenCV, LabView, Matlab  Development languages  C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Image buffer	128M Bytes
Data Interface  USB3.0 @ 5Gbps  transmission distance  Digital I/O  I/O: One opto-isolated input, and two opto-isolated output  Power supply  5VDC, USB3.0 power supply  Power consumption  29mm x 29mm x 29mm (excluding len holder and interface)  Lens mount  C-mount / CS-mount  Ingress protection  IP30  Weight (typical)  55g  Temperature  Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  Driver  DirectShow, Twain, Halcon, OCX  Software support  Halcon, OpenCV, LabView, Matlab  Development languages  C/C+++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	User parameter area	4K Bytes
transmission distance Digital I/O I/O: One opto-isolated input, and two opto-isolated output  Power supply SVDC, USB3. O power supply  Power consumption 29mm x 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB, net, Delphi6, C#, QT, C++Builder, LabView, Python	Capture mode	Continuous/Soft trigger/Hard trigger
Digital I/O  I/O: One opto-isolated input, and two opto-isolated output  Power supply  SVDC, USB3. 0 power supply  Power consumption  29mm x 29mm x 29mm (excluding len holder and interface)  Lens mount  C-mount / CS-mount  Ingress protection  IP30  Weight (typical)  55g  Temperature  Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)  Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  20% to 80% RH, without condensation  Driver  DirectShow, Twain, Halcon, OCX  Software support  Halcon, OpenCV, LabView, Matlab  Development languages  C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Data Interface	USB3. 0 @ 5Gbps
Power supply 5VDC, USB3.0 power supply  Power consumption <3.5 W@5 VDC  Dimension 29mm x 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB, net, Delphi6, C#, QT, C++Builder, LabView, Python	transmission distance	5m
Power consumption <3.5 We5 VDC  Dimension 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB, net, Delphi6, C#, QT, C++Builder, LabView, Python	Digital I/O	I/O: One opto-isolated input, and two opto-isolated output
Dimension 29mm x 29mm (excluding len holder and interface)  Lens mount C-mount / CS-mount  Ingress protection IP30  Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)  Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB, net, Delphi6, C#, QT, C++Builder, LabView, Python	Power supply	5VDC, USB3.0 power supply
Lens mount  C-mount / CS-mount  Ingress protection  IP30  Weight (typical)  S5g  Temperature  Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  20% to 80% RH, without condensation  Driver  DirectShow, Twain, Halcon, OCX  Software support  Halcon, OpenCV, LabView, Matlab  Development languages  C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Power consumption	<3.5 W@5 VDC
Ingress protection Weight (typical)  Temperature  Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  20% to 80% RH, without condensation  Driver  DirectShow, Twain, Halcon, OCX  Software support  Halcon, OpenCV, LabView, Matlab  Development languages  C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Dimension	29mm x 29mm x 29mm (excluding len holder and interface)
Weight (typical) 55g  Temperature Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Lens mount	C-mount / CS-mount
Temperature  Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  20% to 80% RH, without condensation  Driver  DirectShow、Twain、Halcon、OCX  Software support  Halcon、OpenCV、LabView、Matlab  Development languages  C/C++、VB6、VB. net、Delphi6、C#、QT、C++Builder、LabView、Python	Ingress protection	IP30
Temperature  Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)  Humidity  20% to 80% RH, without condensation  Driver  DirectShow, Twain, Halcon, OCX  Software support  Halcon, OpenCV, LabView, Matlab  Development languages  C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Weight (typical)	55g
Humidity 20% to 80% RH, without condensation  Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Temperature	
Driver DirectShow, Twain, Halcon, OCX  Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python	Humidity	
Software support Halcon, OpenCV, LabView, Matlab  Development languages C/C++, VB6, VB. net, Delphi6, C#, QT, C++Builder, LabView, Python		
Development languages C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python	Software support	
Operating system Windows, Linux, Android, MacOS	Development languages	C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python
	Operating system	

USB3 Vision, GenlCam

# MECHANICAL SPECIFICATION





### **SPECTRUM CHART**

