



# MV-CB120-10UM/UC-B

12 MP 1/1.7" CMOS USB3.0 Board Level Camera

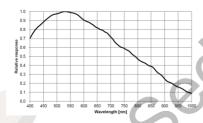
#### Introduction

MV-CB120-10UM/UC-B camera adopts Sony IMX 226 chip and provides high quality image. It adopts compact design and is small in size which can meet different spatial requirements.

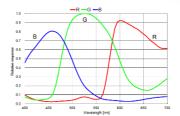
#### **Key Feature**

- Single board design for flexible installation
- Supports auto and manual adjustment for gain, exposure control, white balance, LUT, Gamma correction, and etc
- Adopts image interpolation algorithm for color camera to have better color correction
- Power supply and data transmission via USB3.0 interface
- Compatible with USB3 Vision Protocol, GenlCam standard, and the third-party software based on these protocol and standard.

## **Sensor Quantum Efficiency**



MV-CB120-10UM-B



GEN<i>CAM

MV-CB120-10UC-B

## **Applicable Industry**

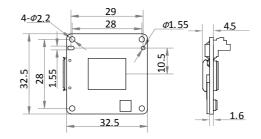
Electronic semiconductor, factory automation, logistics, liquor and beverage, medicine packing and etc.

#### **Available Model**

Mono Camera: MV-CB120-10UM-B

Color Camera: MV-CB120-10UC-B

## Dimension





Unit: mm





# **Specification**

Sensor type CMOS, rolling shutter  Sensor model Sony IMX226  Pixel size 1.85 µm x 1.85 µm  Sensor size 1/1.7"  Resolution 4032 × 3036  Frame rate 28 fps 21 fps  Dynamic range 65 dB  SNR 40 dB  Gain 0 dB to 20 dB  Exposure time 11 µs to 2 s 23 µs to 2 s  Shutter mode Off/ Once /Continuous exposure mode  Mono/Color Mono Color  Pixel format Mono 8/10/10p/12/12p Mono8/10/12, Bayer RG 8/10/10p/12/12p YUV 422 Packed, YUV422_YUVV_Packed, RGB8  Acquisition mode Continuous mode, single frame mode  Binning Not support  Decimation 1 x 1, 1 x 2, 2 x 1, 2 x 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0  Digital I/O Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply USB3.0 power supply  Power consumption 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  Temperature Working temperature: 0°C to 50°C (32°F to 122°F)  Storage temperature: 0°C to 50°C (32°F to 158°F)  Humidity 20% to 80% RH, without condensation  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Model	MV-CB120-10UM-B	MV-CB120-10UC-B	
Sensor type  Sensor model  Sony IMX226  Pixel size  1.85 µm × 1.85 µm  Sensor size  1/1.7"  Resolution  4032 × 3036  Frame rate  28 fps  Dynamic range  65 dB  SNR  40 dB  Gain  0 dB to 20 dB  Exposure time  11 µs to 2 s  Shutter mode  Off/ Once /Continuous exposure mode  Mono/Color  Mono  Mono/Color  Mono  Mono S/10/10p/12/12p  Mono8/10/12, Bayer RG 8/10/10p/12/12p  YUV 422 Packed, YUV422 YUVV_Packed, RGB8  Acquisition mode  Binning  Not support  Decimation  1 × 1, 1 × 2, 2 × 1, 2 × 2  Not support  Determation  1 × 1, 1 × 2, 2 × 1, 2 × 2  Not support  Data interface  USB3.0, USB2.0  Digital I/O  Bi-directional non-isolated I/O × 2 (Line1, Line2)  Power supply  Power consumption  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  Structure  Dimension  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)  Humidity  20% to 80% RH, without condensation  General  Client software  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility  Linux 32/64bits or MacOS 64bits  Compatibility  Linux 32/64bits or MacOS 64bits	Parameters	12 MP 1/1.7" CMOS USB3.0 Board Level Camera		
Sensor model   Sony IMX226	Camera			
Pixel size   1.85 μm × 1.85 μm   Sensor size   1/1.7"   Resolution   4032 × 3036   Frame rate   28 fps   21 fps	Sensor type	CMOS, rolling shutter		
Sensor size 1/1.7"  Resolution 4032 × 3036  Frame rate 28 fps 21 fps  Dynamic range 65 dB  SNR 40 dB  Gain 0 dB to 20 dB  Exposure time 11 µs to 2 s 23 µs to 2 s  Shutter mode Off/ Once /Continuous exposure mode  Mono/Color Mono Color  Pixel format Mono 8/10/10p/12/12p Mono8/10/12, Bayer RG 8/10/10p/12/12p YUV 422 Packed, YUV 422 YUVV_Packed, RGB8  Acquisition mode Continuous mode, single frame mode  Binning Not support  Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0  Digital I/O Bi-directional non-isolated I/O × 2 (Line1, Line2)  Power supply USB3.0 power supply  Power consumption 2 · 2.45 W@5 VDC  Structure  Dimension 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Vindows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Sensor model	Sony IMX226		
Resolution  4032 × 3036  Frame rate  28 fps  21 fps  Dynamic range  55 dB  SNR  40 dB  Gain  0 dB to 20 dB  Exposure time  11 µs to 2 s  Shutter mode  Mono/Color  Mono  Mono  Mono/Sl0/12, Bayer RG 8/10/10p/12/12p  Mono 8/10/10p/12/12p  Mono8/10/12, Bayer RG 8/10/10p/12/12p  YUV 422 Packed, YUV422_YUVV_Packed, RGB8  Acquisition mode  Continuous mode, single frame mode  Binning  Not support  Decimation  1 × 1, 1 × 2, 2 × 1, 2 × 2  Not support  Reverse image  Supports horizontal and vertical reverse image output  Electrical features  Data interface  USB3.0, USB2.0  Digital I/O  Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply  USB3:0 power supply  Power consumption  32.45 W@5 VDC  Structure  Dimension  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  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  General  Client software  MVS or third-party software with USB3 Vision Protocol  Operating system  Vindows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Pixel size	1.85 μm × 1.85 μm		
Frame rate 28 fps 21 fps  Dynamic range 65 dB  SNR 40 dB  Gain 0 dB to 20 dB  Exposure time 11 µs to 2 s 23 µs to 2 s  Shutter mode Off/ Once /Continuous exposure mode  Mono/Color Mono Color  Pixel format Mono 8/10/10p/12/12p Mono8/10/12, Bayer RG 8/10/10p/12/12p  YUV 422 Packed, YUV422_YUVV_Packed, RGB8  Acquisition mode Continuous mode, single frame mode  Binning Not support  Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0  Digital I/O Bi-directional non-isolated I/O × 2 (Line1, Line2)  Power supply USB3:0 power supply  Power consumption 2 2.45 W@5 VDC  Structure  Dimension 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Vision Genicam  Compatibility USB3 Vision Genicam	Sensor size	1/1.7"		
Dynamic range 65 dB  SINR 40 dB  Gain 0 dB to 20 dB  Exposure time 11 μs to 2 s 23 μs to 2 s  Shutter mode Off/ Once /Continuous exposure mode  Mono/Color Mono Color  Pixel format Mono 8/10/10p/12/12p Mono8/10/12, Bayer RG 8/10/10p/12/12p  YUV 422 Packed, YUV422 YUVV_Packed, RGB8  Acquisition mode Continuous mode, single frame mode  Binning Not support  Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0  Digital I/O Bi-directional non-isolated I/O × 2 (Line1, Line2)  Power supply USB3.0 power supply  Power consumption 2 2.45 W@5 VDC  Structure  Dimension 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Vision Genican	Resolution	4032 × 3036		
SNR 40 dB  Gain 0 dB to 20 dB  Exposure time 11 µs to 2 s 23 µs to 2 s  Shutter mode Off/ Once /Continuous exposure mode  Mono/Color Mono Color  Pixel format Mono 8/10/10p/12/12p Mono8/10/12, Bayer RG 8/10/10p/12/12p YUV 422 Packed, YUV422_YUVV_Packed, RGB8  Acquisition mode Continuous mode, single frame mode  Binning Not support  Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0  Digital I/O Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply USB3.0 power supply  Power consumption < 2.45 W@5 VDC  Structure  Dimension 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Frame rate	28 fps	21 fps	
Gain       0 dB to 20 dB         Exposure time       11 μs to 2 s       23 μs to 2 s         Shutter mode       Off/ Once /Continuous exposure mode         Mono/Color       Mono       Color         Pixel format       Mono 8/10/10p/12/12p       Mono8/10/12, Bayer RG 8/10/10p/12/12p         YUV 422 Packed, YUV422_YUVV_Packed, RGB8         Acquisition mode       Continuous mode, single frame mode         Binning       Not support         Decimation       1 × 1, 1 × 2, 2 × 1, 2 × 2       Not support         Reverse image       Supports horizontal and vertical reverse image output         Electrical features       USB3.0, USB2.0         Digital I/O       Bi-directional non-isolated I/O x 2 (Line1, Line2)         Power supply       USB3.0 power supply         Power consumption       < 2.45 W@5 VDC         Structure       Dimension         Dimension       32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")         Weight       Approx. 10 g (0.02lb)         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         General       Client software       MVS or third-party software with USB3 Vision Protocol	Dynamic range	65 dB		
Shutter mode Off/ Once /Continuous exposure mode Mono/Color Mono Color Pixel format Mono 8/10/10p/12/12p Mono 8/10/10p/12/12p Mono 8/10/10p/12/12p YUV 422 Packed, YUV422_YUYV_Packed, RGB8 Acquisition mode Continuous mode, single frame mode Binning Not support Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support Reverse image Supports horizontal and vertical reverse image output  Electrical features Data interface USB3.0, USB2.0 Digital I/O Bi-directional non-isolated I/O x 2 (Line1, Line2) Power supply Power consumption  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01") Weight Approx. 10 g (0.02lb) 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 General Client software Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits Commatibility  LISB3 Vision GeneCam	SNR	40 dB		
Shutter mode  Mono/Color  Mono   Color   Mono   Color   Mono   Mo	Gain	0 dB to 20 dB		
Mono/Color Pixel format  Mono 8/10/10p/12/12p  Mono8/10/12, Bayer RG 8/10/10p/12/12p YUV 422 Packed, YUV422_YUVV_Packed, RGB8  Acquisition mode Continuous mode, single frame mode Binning Not support  Decimation  1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0 Digital I/O Bi-directional non-isolated I/O × 2 (Line1, Line2)  Power supply Power consumption  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Exposure time	11 μs to 2 s	23 µs to 2 s	
Pixel format  Mono 8/10/10p/12/12p  Mono 8/10/10p/12/12p  YUV 422 Packed, YUV422_YUVV_Packed, RGB8  Acquisition mode  Continuous mode, single frame mode  Binning  Not support  Decimation  1 × 1, 1 × 2, 2 × 1, 2 × 2  Not support  Reverse image  Supports horizontal and vertical reverse image output  Electrical features  Data interface  USB3.0, USB2.0  Digital I/O  Bi-directional non-isolated I/O × 2 (Line1, Line2)  Power supply  Power consumption  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  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  General  Client software  MIVS or third-party software with USB3 Vision Protocol  Operating system  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Shutter mode	Off/ Once /Continuous exposure mode		
Acquisition mode Continuous mode, single frame mode Binning Not support Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support Reverse image Supports horizontal and vertical reverse image output  Electrical features Data interface USB3.0, USB2.0 Digital I/O Bi-directional non-isolated I/O x 2 (Line1, Line2) Power supply USB3.0 power supply Power consumption 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01") Weight Approx. 10 g (0.02lb) 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  General Client software Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits Compatibility USB3 Vision CeptCam	Mono/Color	Mono	Color	
Acquisition mode  Binning  Not support  Decimation  1 × 1, 1 × 2, 2 × 1, 2 × 2  Not support  Reverse image  Supports horizontal and vertical reverse image output  Electrical features  Data interface  USB3.0, USB2.0  Digital I/O  Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply  Power consumption  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  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  General  Client software  MVS or third-party software with USB3 Vision Protocol  Operating system  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Pixel format	Mono 8/10/10p/12/12p		
Binning Not support  Decimation 1 × 1, 1 × 2, 2 × 1, 2 × 2 Not support  Reverse image Supports horizontal and vertical reverse image output  Electrical features  Data interface USB3.0, USB2.0  Digital I/O Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply USB3.0 power supply  Power consumption < 2.45 W@5 VDC  Structure  Dimension 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system VISB3 Vision GenICam  LISB3 Vision GenICam	Acquisition mode			
Reverse image  Supports horizontal and vertical reverse image output  Electrical features  Data interface  Digital I/O  Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply  Power consumption  Value of the supply  Power consumption  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  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  General  Client software  MVS or third-party software with USB3 Vision Protocol  Operating system  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility  USB3 Vision GenICam	Binning			
Data interface  Digital I/O  Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply  Power consumption  Structure  Dimension  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  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  General  Client software  MVS or third-party software with USB3 Vision Protocol  Operating system  Vision GenICam  LISB3 Vision GenICam	Decimation	$1 \times 1, 1 \times 2, 2 \times 1, 2 \times 2$ Not support		
Data interface  Digital I/O  Bi-directional non-isolated I/O x 2 (Line1, Line2)  Power supply  USB3.0 power supply  Power consumption  \$\frac{2.45 \text{ W@5 VDC}}{\text{Structure}}\$  Dimension  \$\frac{32.5 \text{ mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")}}{\text{Approx. 10 g (0.02lb)}}\$  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  \$\frac{20\text{ to 80\text{ RH, without condensation}}{\text{General}}\$  Client software  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility  USB3 Vision GenICam	Reverse image	Supports horizontal and vertical reverse image output		
Digital I/O       Bi-directional non-isolated I/O x 2 (Line1, Line2)         Power supply       USB3.0 power supply         Power consumption       < 2.45 W@5 VDC         Structure       Structure         Dimension       32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")         Weight       Approx. 10 g (0.02lb)         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         General       Client software         MVS or third-party software with USB3 Vision Protocol         Operating system       Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits         Compatibility       USB3 Vision GenICam	Electrical features			
Power supply  Power consumption  < 2.45 W@5 VDC  Structure  Dimension  32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight  Approx. 10 g (0.02lb)  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  General  Client software  MVS or third-party software with USB3 Vision Protocol  Operating system  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility  LISB3 Vision, GenlCam	Data interface	USB3.0, USB2.0		
Power consumption < 2.45 W@5 VDC  Structure  Dimension 32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")  Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility USB3 Vision GenICam	Digital I/O	Bi-directional non-isolated I/O x 2 (Line1, Line2)		
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Weight Approx. 10 g (0.02lb)  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  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits	Structure			
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  General  Client software  MVS or third-party software with USB3 Vision Protocol  Operating system  Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility  USB3 Vision GenICam	Dimension	32.5 mm x 32.5 mm x 4.5 mm (0.07" x 0.07" x 0.01")		
Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)  Humidity 20% to 80% RH, without condensation  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility USB3 Vision GenICam	Weight	Approx. 10 g (0.02lb)		
Humidity 20% to 80% RH, without condensation  General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility USB3 Vision Gen/Cam	Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F)		
General  Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility USB3 Vision, GenICam		Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)		
Client software MVS or third-party software with USB3 Vision Protocol  Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility USB3 Vision Gen/Cam	Humidity	20% to 80% RH, without condensation		
Operating system Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits  Compatibility USB3 Vision, GenICam	General			
Compatibility LISB3 Vicion GenlCam	Client software	MVS or third-party software with USB3 Vision Protocol		
Compatibility USB3 Vision, GenICam  Certification CE, FCC, RoHS  SEDEC	Operating system	Windows XP/7/10 32/64bits, Linux 32/64bits or MacOS 64bits		
Certification CE, FCC, RoHS	Compatibility	USB3 Vision, GenlCam		
	Certification	CE, FCC, RoHS		

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**IMAGING** 

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