

Compact USB 3.0 Camera

General-Public-Friendly and Convenient USB-Style IMI-Tech USB 3.0 Camera Series is compliant with USB 3.0 vision standard and comparing with USB 2.0 through its more advanced power supply, higher resolution and faster frame, it boasts data stability and compatibility of the system enabling it to employ several cameras at the same time and will get more and more popular in the market.



Key Features 01

- VGA Supporting up to 24 Mega Pixel Resolution
- Maximum 600 Frame per Second (640x480) Possible
- CMOS (Global / Rolling Shutter) Basis
- Hardware Trigger / Strobe (Photo Coupler)
- Screw Cable Lock Support

Applications 02

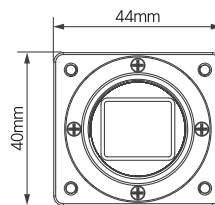
- Intelligent Transport System (Speeding Control, License Number Recognition, etc.)
- Machine Vision (Semi Conductor, Automobile, Robot, etc.)
- Medical Equipment (Microscope, Ophthalmology, Dentistry, etc.)
- Sports Science (Motion Analysis, Training, etc.)
- Special Security (Long-Distance Surveillance, etc.)

Option Kit 03

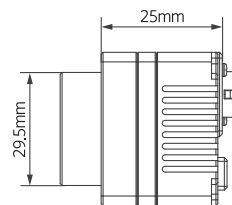
- 12 Pin Trigger / Power Cable (Option)
- Tripod Plate (Option)
- Lens (Option)
- Software Package (Option)

Dimensions

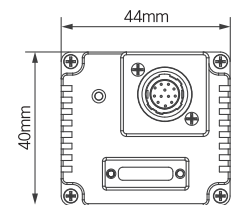
For USB 3.0 Camera Series



Front



Side



Back

Model	Sensor	Resolution		Frame Rate	Mono / Color	Pixel Size	Sensor Size	Shutter
IMB/C-3724US	IMX540	24M	5320 x 4600	15 fps	Mono / Color	2.74 x 2.74um	1.2" Sony	Global
IMC-3621US	IMX147	20M	5184 x 3888	15 fps	Color	1.20 x 1.20um	1/2.3" Sony	Rolling
IMB/C-3622US	MX183	20M	5472 x 3648	18 fps	Mono / Color	2.40 x 2.40um	1" Sony	Rolling
IMB/C-3712US	IMX253	12M	4096 x 3000	30 fps	Mono / Color	3.45 x 3.45um	1.1" Sony	Global
IMB/C-3709USL	IMX267	9M	4096 x 2160	32 fps	Mono / Color	3.45 x 3.45um	1" Sony	Global
IMB/C-3709US	IMX255	9M	4096 x 2160	42 fps	Mono / Color	3.45 x 3.45um	1" Sony	Global
IMB/C-3606US	IMX178	6.2M	3072 x 2048	47 fps	Mono / Color	2.40 x 2.40um	1/1.8" Sony	Rolling
IMB/C-3705USL	IMX264	5M	2448 x 2048	36 fps	Mono / Color	3.45 x 3.45um	2/3" Sony	Global
IMB/C-3705USA	IMX537	5M	2448 x 2048	72 fps	Mono / Color	2.74 x 2.74um	1/1.8" Sony	Global
IMB/C-3705US	IMX250	5M	2448 x 2048	75 fps	Mono / Color	3.45 x 3.45um	2/3" Sony	Global
IMB/C-3505U	RJ32S4AD0DT	5M	2448 x 2048	15 fps	Mono / Color	3.45 x 3.45um	2/3" Sharp CCD	Global
IMB/C-3703USL	IMX265	3.1M	2048 x 1536	55 fps	Mono / Color	3.45 x 3.45um	1/1.8" Sony	Global
IMB/C-3703US	IMX252	3.1M	2048 x 1536	120 fps	Mono / Color	3.45 x 3.45um	1/1.8" Sony	Global
IMB/C-3701US	IMX273	1.5M	1440 x 1024	228 fps	Mono / Color	3.45 x 3.45um	1/2.9" Sony	Global
IMB/C-3217UP	PYTHON1300	1.3M	1280 x 1024	128 fps	Mono / Color	4.80 x 4.80um	1/2" OnSemi	Global
IMB/C-3213UP	PYTHON300	0.3M	640 x 480	600 fps	Mono / Color	4.80 x 4.80um	1/4" OnSemi	Global

High Resolution USB 3.0 24MP Camera

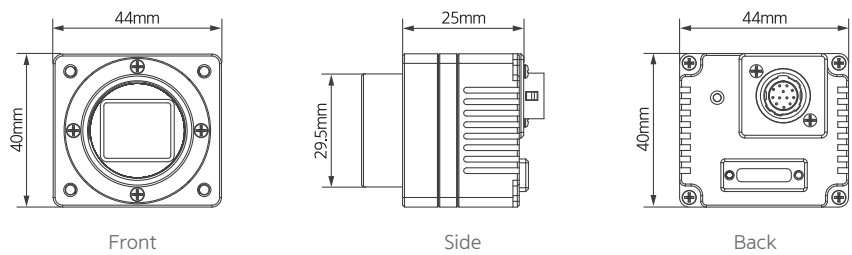
IMB-3724US & IMC-3724US

- High Resolution & High Frame Rate
- 44 x 40 x 44mm
- 24 Mega 15 Frame



Dimensions

For USB 3.0 24MP Camera



Key Features 01

- 1.2" Type 19.3mm Sony Global CMOS Sensor
- 5320 x 4600 @ 15 fps
- 2.74um x 2.74um
- Supports Normal Mode or Trigger Mode (Photo Coupler)
- Stack ROI Function : Support at least 8 Lines
- Regardless of ROI Location, Frame Rate is Decided by The Size of The Vertical Image.
- 40(W) x 40(H) x 44(L)mm
- DC5V Bus Power

Applications 02

- Machine Vision (Semiconductor, Automobile)
- Medical Equipment (Microscope, Dentistry, Ophthalmology)
- Sports Science (Motion Analysis, Physical Exam)
- ITS (Speed Detection)

Specification	IMB/C-3724US
Image Sensor	1.2" Type(Diagonal 19.3mm) SONY CMOS Sensor (IMX540-AAMJ-C / IMX540-AAQ-C)
Scanning System	Progressive System
Image Size	5320(H) x 4600(V), 24.47M Pixels
Cell Size(um)	2.74um x 2.74um
Actual Motion Frame Number	Mono : 15(5320 x 4600, Mono8) 7(5320 x 4600, Mono12) Color : 15(5320 x 4600, Bayer 8 / Mono8) 7(5320 x 4600, Bayer 12 / Mono 12 / YUV422)
Lens Mount	C-Mount
Function Control	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain User Defined LUT
S/N Rate	>65dB
Shutter Speed	50μsec ~ 2sec, Global shutter
Frame Format	Mono8, Mono12 / Bayer8, Bayer12, YUV422, Mono8, Mono12
Trigger	Edge : Rising Edge or Falling Edge(Photo Coupler) Mode : 0,15 Source : External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)
Digital Interface	USB 3.0
Gain	0 ~ 24dB(Manual or Auto)
Supply Power and Voltage	5V via USB 3.0 or +12V external power
Consumed Power	4.0[W] max.
External Dimension (H x V x L)	44mm x 40mm x 44mm(C-mount except)
Weight	97g
Operation Temperature	-10℃ ~ +50℃(Humidity : 0%RH ~ 80%RH)
Storage Temperature	-30℃ ~ +60℃(Humidity : 0%RH ~ 90%RH)
Camera Standard	AIA USB 3.0 Vision Version 1.0