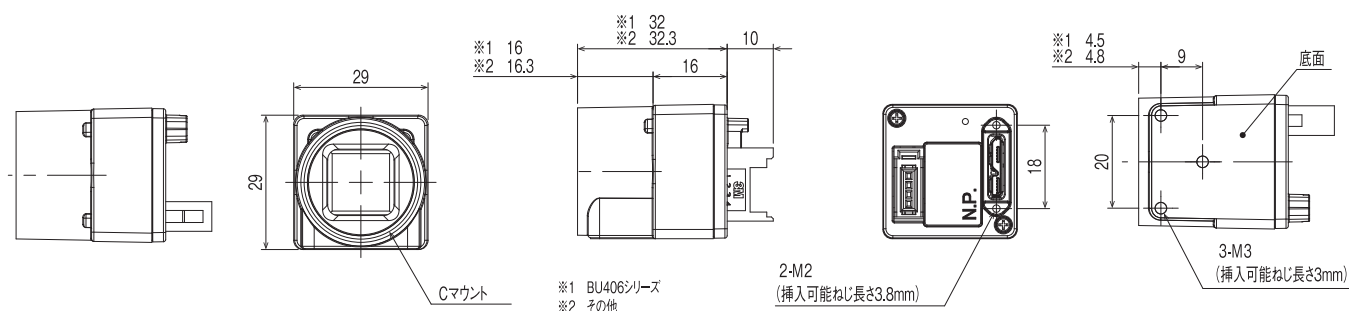


産業用カメラ

USB3カメラ

BUシリーズ

USB3.1Gen1インターフェースを採用したカメラシリーズです。プラグアンドプレイ接続のため、お手持ちのPCへ簡単に接続することが出来ます。小型軽量設計のため、産業用装置への搭載から顕微鏡での観察まで、幅広い用途にお使い頂けます。寸法計測や分析、データ管理などの機能を持った他のソフトと連動することで、現場でのレポート作成などにも威力を発揮します。



Specification

Model (mono)	BU040M / MG	BU132M	BU160M / MG	BU205M	BU238M	BU302MG	BU406M	BU505MG	BU602M	BU1207MG	BU2006MG	BU2409MG
Image sensor	1/2.9" GS-CMOS	1/1.8" GS-CMOS	1/2.9" GS-CMOS	2/3" GS-CMOS	1/1.2" GS-CMOS	1/1.8" GS-CMOS	1.0" GS-CMOS	2/3" GS-CMOS	1/1.8" GS-CMOS	1.1" GS-CMOS	1.0" RS-CMOS	1.2" GS-CMOS
Max. output image size	Sony 0.4M	e2V 1.3M	Sony 1.58M	ams-OSRAM 2M	Sony 2.35M	Sony 3.19M	ams-OSRAM 4M	Sony 5.07M	Sony 6.44M	Sony 12.37M	Sony 20.48M	Sony 24.5M
All pixel read out	720×540	1280×1024	1440×1080	2048×1088	1920×1200	2048×1536	2048×2048	2448×2048	3072×2048	4096×3000	5472×3648	5328×4608
Pixel size (H)×(V)μm	6.9×6.9	5.3×5.3	3.45×3.45	5.5×5.5	5.86×5.86	3.45×3.45	5.5×5.5	3.45×3.45	2.4×2.4	3.45×3.45	2.4×2.4	2.74×2.74
Imaging Area (mm)	4.97×3.73	6.78×5.43	4.97×3.73	11.26×5.98	11.25×7.03	7.06×5.29	11.26×11.26	8.44×7.06	7.37×4.91	14.13×10.35	13.13×8.76	14.60×12.63
Frame rate	437fps(normal)	61fps	227fps(normal)	170fps	165fps	120fps	90fps	75fps	60fps	31fps	19fps	15fps
Mount	C-mount											
Sensitivity	2,800lx F5.6, 1/500s	500lx F5.6, 1/62.5s	3,000lx F4, 1/250s	3,300lx F8, 1/200s	3,300lx F8, 1/200s	3,250lx F5.6, 1/120s	3,000lx F11, 1/90s	2,100lx F5.6, 1/75s	2,100lx F5.6, 1/62.5s	860lx F5.6, 1/32s	1,210lx F5.6, 1/19s	1,950lx F11, 1/20s
Power supply	DC+5V±5% (USB standard)											
Power consumption	Less than 2.2W	Less than 1.7W	Less than 2.4W	Less than 2.7W	Less than 2.9W	Less than 2.9W	Less than 2.7W	Less than 2.9W	Less than 2.4W	Less than 3.0W	Less than 2.7W	Less than 3.3W
Dimensions	29mm(W)×29mm(H)×16mm(D)											
Weight	Approx. 33g			Approx. 32g		Approx. 33g	Approx. 32g	Approx. 33g		Approx. 34g	Approx. 34g	Approx. 33g

Specification

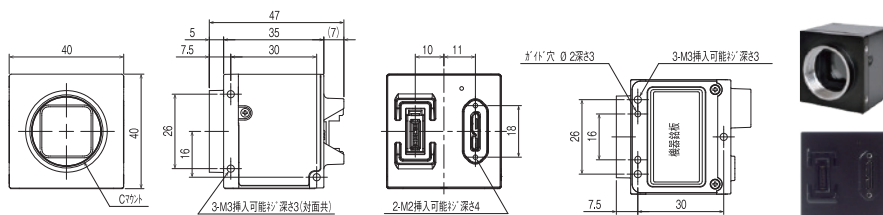
Model (color)	BU040MCG/MCF	BU160MCG/MCF	BU238MCG/MFC	BU302MCG/MCF	BU406MCG/CF	BU505MCG/MCF	BU602MC/MCF	BU1203MC-MCF	BU1207MCG/MCF	BU2006MCF	BU2409MCG/MCF
Image sensor	1/2.9" GS-CMOS	1/2.9" GS-CMOS	1/1.2" GS-CMOS	1/1.8" GS-CMOS	1.0" GS-CMOS	2/3" GS-CMOS	1/1.8" RS-CMOS	1/1.7" RS-CMOS	1.1" GS-CMOS	1.0" RS-CMOS	1.2" GS-CMOS
Max. output image size	Sony 0.4M	Sony 1.58M	Sony 2.35M	Sony 3.19M	ams-OSRAM 4M	Sony 5.07M	Sony 6.44M	Sony 12.4M	Sony 12.37M	Sony 20.48M	Sony 24.5M
All pixel read out	720×540	1440×1080	1920×1200	2048×1536	2048×2048	2448×2048	3072×2048	4000×3000	4096×3000	5472×3648	5328×4608
Pixel size (H)x(V)μm	6.9×6.9	3.45×3.45	5.86×5.86	3.45×3.45	5.5×5.5	3.45×3.45	2.4×2.4	1.85×1.85	3.45×3.45	2.4×2.4	2.74×2.74
Imaging Area (mm)	4.97×3.73	4.97×3.73	11.25×7.03	7.06×5.29	11.26×11.26	8.44×7.06	7.37×4.91	7.40×5.55	14.13×10.35	13.13×8.76	14.60×12.63
Frame rate	437fps(normal)	240fps	165fps	120fps	90fps	Mono8: 75fps Mono10/12: 39fps	60fps	30fps	31fps	19fps	15fps
Mount	C-mount										
Sensitivity	MCG:2,300lx, MCF: 2,500lx F4, 1/500s	MCG:2,150lx, MCF: 2,350lx F2.8, 1/250s	MC: 3,700lx, MCF: 4,100lx F8, 1/200s	MCG: 2,400lx, MCF: 2,650lx F4 , 1/120s	4,800lx, F8, 1/90s	MCG: 3,000lx, MCF: 3,300lx F5.6, 1/75s	MC: 3,000lx, MCF: 3,400lx F5.6, 1/62.5s	MC: 4,200lx, MCF: 4,600lx F8, 1/30s	MCG:1,150lx, MCF: 1,425x, F5.6, 1/31s	1,940lx, F5.6, 1/19s	MCG:1,850lx, MCF: 2,000x, F8, 1/20s
Power supply	DC+5V±5% (USB standard)										
Power consumption	Less than 3.2W	Less than 3.4W	Less than 2.9W	Less than 3.6W	Less than 2.7W	Less than 3.6W	Less than 3.0W	Less than 2.7W	Less than 3.1W	Less than 3.2W	Less than 3.3W
Dimensions	29mm(W)×29mm(H)×16mm(D)										
Weight	Approx. 33g		Approx. 32g	Approx. 33g	Approx. 32g	Approx. 33g	Approx. 33g	Approx. 32g	Approx. 34g	Approx. 34g	Approx. 33g

産業用カメラ

ハイスピードUSB3 カメラ

DUシリーズ

BUシリーズの上位機種になります。USB3.1 Gen1を採用した高性能な一体型カメラシリーズです。DDUシリーズは、2チャンネル・デュアルUSB仕様で、更なる高速取込を実現します。



■ Specification

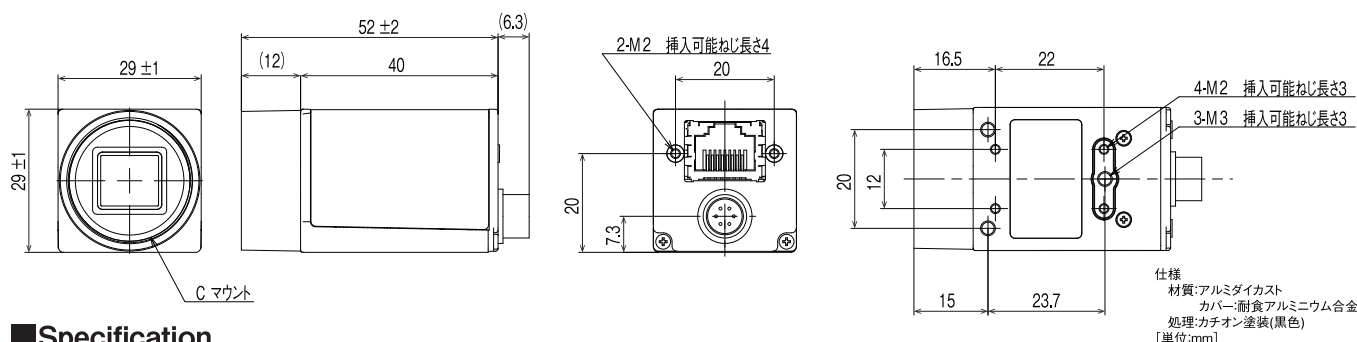
Model	DU657M	DU657MC	DU1207MG	DU1207MCG/MCF	DDU1207MG	DDU1207MCG/MCF	DDU1607MG	DDU1607MCG/MCF
Output format	Mono8	Bayer8	Mono12 Mono10 Mono8	RGB24 BGR24 YUV422 YUV411 Bayer12 Bayer10 Bayer8 Mono8	Mono12 Mono10 Mono8	Bayer12 Bayer10 Bayer8	Mono12 Mono10 Mono8	Bayer12 Bayer10 Bayer8
Image sensor	1.1" GS-CMOS							
Max. output image size	TELI 6.5M		Sony 12.37M				On Semiconductor16M	
All pixel read out	2560×2560		4096×3000				4000×4000	
Pixel size (H)×(V)μm	5.0×5.0		3.45×3.45				3.2×3.2	
Imaging Area (mm)	12.8×12.8		14.13×10.35				12.8×12.8	
Frame rate	Mono8: 55fps	Bayer8: 55fps	Mono8: 32fps	Bayer8: 31fps	Mono8 62fps<Dual> 31fps<Single>	Bayer8 62fps<Dual> 31fps<Single>	Mono8 47fps<Dual> 23fps<Single>	Bayer8 47fps<Dual> 23fps<Single>
Mount	C-mount							
Sensitivity	900lx F5.6 ,1/60s	2,200lx F5.6 ,1/60s	860lx F5.6 ,1/32s	MCG:1,150lx MCF: 1,425x F5.6, 1/31s	1,600lx F5.6 ,1/62s	MCG:2,300lx MCF: 2,800x F5.6, 1/62s	2,700lx F8 ,1/50s	MCG:2,700lx MCF: 3,300x F5.6, 1/50s
Power supply	DC+5V±5% (USB standard)							
Power consumption	Less than 3.6W		Less than 4.0W	Less than 4.5W	Less than 5.0W		Less than 5.3W	
Dimensions(W)×(H)×(D)mm	40×40×35							
Weight	Approx. 85g		Approx. 90g					

GigEカメラ

BGシリーズ

Gigabit Ethernet®を採用したカメラシリーズです。ケーブル延長に強く、インジェクター機能を備えたハブから電源供給が可能で、増設も容易なことから、機器組込ののに最適です。

※ Ethernet®商標はXEROX社の登録商標です。



■ Specification

Model	BG040M	BG040MCG/MCF	BG160M	BG160MCG/MCF	BG205M-CS	BG302LMG	BG302LMCG/LMCF	BG505LMG	BG505LMCG/LMCF
Output format	Mono12 Mono10 Mono8	Bayer12 Bayer10 Bayer8	Mono12 Mono10 Mono8	Bayer12 Bayer10 Bayer8	Mono8	Mono12 Mono10 Mono8	Bayer12 Bayer10 Bayer8	Mono12 Mono10 Mono8	Bayer12 Bayer10 Bayer8
Image sensor	1/2.9" GS-CMOS				2/3" GS-CMOS	1/1.8" GS-CMOS		2/3" GS-CMOS	
Max. output image size	Sony 0.4M		Sony 1.58M		ams OSRAM 2M	Sony 3.19M		Sony 5.07M	
All pixel read out	720×540		1440×1080		2048×1088	2048×1536		2448×2048	
Pixel size (H)×(V)μm	6.9×6.9		3.45×3.45		5.5×5.5	3.45×3.45		3.45×3.45	
Imaging Area (mm)	4.97×3.73		4.97×3.73		11.26×5.98	7.06×5.29		8.44×7.06	
Frame rate	Mono8:291fps	Bayer8:291fps	Mono8:72fps	Bayer8:72fps	Mono8:40fps	Mono8:36fps	Bayer8:36fps	Mono8:22fps	Bayer8:22fps
Mount	C-mount				CS-mount	C-mount			
Sensitivity	1,890lx F5.6, 1/333s	MCG:1,550lx MCF: 1,650lx F4, 1/333s	1,700lx F5.6, 1/77s	MCG:2,800lx MCF: 2,900lx F5.6, 1/77s	1,200lx F11, 1/50s	3,850lx F11, 1/36s	MCG: 2,500lx MCF: 2,650lx F8, 1/36s	2,600lx F11, 1/22s	MCG: 3,100lx MCF: 3,200lx F11, 1/22s
Power supply	PoE (Power over Ethernet) / DC12V (±10%)								
Power consumption	Less than 3.3W(PoE)	Less than 3.4W(PoE)	Less than 3.3W(PoE)	Less than 3.4W(PoE)	Less than 2.9W(PoE)	Less than 3.2W(PoE)	Less than 3.6W(PoE)	Less than 3.2W(PoE)	Less than 3.6W(PoE)
Dimensions	29mm(W)×29mm(H)×40mm(D)								
Weight	Approx. 59g				Approx. 50g	Approx. 60g			