

# AMAZON2 Series Data sheet

## Black and White Cameras

### IMB-751G Specification

Features (IMB-751G)		
Image Sensor	2/3" Interline CCD(Sharp RJ32S4AD0DT)	
Effective Pixels	5,018,400 pixels 2448(H) x 2050(V)	
Picture Size	2448x2048	
Cell Size	3.45 um x 3.45 um	
Real Frame Rate	15 (2448x2048, Mono 8) 11 (2448x2048, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	5 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
Supply Voltage& Power	Less than 3.2W @12 VDC via 6-pin connector Less than 3.4W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 55g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

## IMB-720G Specification

Features (IMB-720G)		
Image Sensor	1/1.8" Interline CCD(ICX274AL)	
Effective Pixels	2,000,768 pixels 1624(H) x 1232(V)	
Picture Size	1624x1232	
Cell Size	4.40 um x 4.40 um	
Real Frame Rate	16 (1624x1232, Mono 8) 16 (1624x1232, Mono 12) 30 (800x600, 2x2 binning, Mono 8) 30 (800x600, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 3.0W @12 VDC via 6-pin connector Less than 3.2W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMB-717G Specification

Features (IMB-717G)		
Image Sensor	1/2" Interline CCD(ICX267AL)	
Effective Pixels	1,447,680 pixels 1392(H) x 1040(V)	
Picture Size	1388x1040	
Cell Size	4.65 um x 4.65 um	
Real Frame Rate	20 (1388x1040, Mono 8) 20 (1388x1040, Mono 12) 37 (688x516, 2x2 binning, Mono 8) 37 (688x516, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 3.0W @12 VDC via 6-pin connector Less than 3.2W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMB-716G Specification

Features (IMB-716G)		
Image Sensor Type	1/3" Interline CCD (ICX445AL)	
Effective pixels	1,251,936 pixels 1296(H) x 966(V)	
Picture Size	1288 x 964	
Cell Size(um)	3.75 um x3.75 um	
Real Frame Rate	30 (1288x964, Mono 8) 30 (1288x964, Mono 12) 52 (640X476, 2x2 binning, Mono 8) 52 (640X476, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMB-715G Specification

Features (IMB-715G)		
Image Sensor Type	1/3" Interline CCD (ICX204AL)	
Effective pixels	805,486 pixels 1034(H) x 779(V)	
Picture Size	1032 x 776	
Cell Size(um)	4.65 um x4.65 um	
Real Frame Rate	35 (1032x776, Mono8) 35 (1032x776, Mono12) 65 (512x384, 2x2 binning, Mono 8) 65 (512x384, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMB-712G Specification

Features (IMB-712G)		
Image Sensor Type	1/2" Interline CCD (ICX414AL)	
Effective pixels	325,546 pixels 656(H) x 488(V)	
Picture Size	656 x 484	
Cell Size(um)	9.9 um x9.9 um	
Real Frame Rate	91 (656x488, Mono8) 91 (656x488, Mono12) 166 (324x240, 2x2 binning, Mono 8) 166 (324x240, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

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## IMB-711G Specification

Features (IMB-711G)		
Image Sensor	1/3" Interline CCD (ICX424AL)	
Effective Pixels	325,546 pixels 659(H) x 494(V)	
Picture Size	656 x 488	
Cell Size	7.40 um x7.40 um	
Real Frame Rate	91 (656x488, Mono8) 91 (656x488, Mono12) 166 (324x240, 2x2 binning, Mono 8) 166 (324x240, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

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## IMB-710G Specification

Features (IMB-710G)		
Image Sensor	1/4" Interline CCD (ICX618ALA)	
Effective Pixels	325,546 pixels 659(H) x 494(V)	
Picture Size	656 x 488	
Cell Size	7.40 um x7.40 um	
Real Frame Rate	100 (656x488, Mono8) 100 (656x488, Mono12) 180 (324x240, 2x2 binning, Mono 8) 180 (324x240, 2x2 binning, Mono 12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive Scan	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice



## Color Cameras

### IMC-751G Specification

Features (IMC-751G)		
Image Sensor	2/3" Interline CCD(Sharp)	
Effective Pixels	5,018,400 pixels 2448(H) x 2050(V)	
Picture Size	2448x2048	
Cell Size	3.45 um x 3.45 um	
Real Frame Rate	15 (2448x2048, GR8) 11 (2448x2048, GR12) 14 (2448x2048, YUV411) 11 (2448x2048, YUV422)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive System	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	5 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Saturation, Hue, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	5 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
Supply Voltage& Power	Less than 3.2W @12 VDC via 6-pin connector Less than 3.4W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 55g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

## IMC-720G Specification

Features (IMC-720G)		
Image Sensor	1/1.8" Interline CCD(ICX274AQ)	
Effective Pixels	2,012,208 pixels 1628(H) x 1236(V)	
Picture Size	1624x1288	
Cell Size	4.4 um x 4.4 um	
Real Frame Rate	16 (1624x1288, GR8) 16 (1624x1288, GR12) 16 (1624x1288, YUV411) 16 (1624x1288, YUV422) 30 (800x600, 2x2 binning, GR8) 30 (800x600, 2x2 binning, GR12)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive System	
Binning	2x2	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 3.0W @12 VDC via 6-pin connector Less than 3.2W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMC-717G Specification

Features (IMC-717G)		
Image Sensor	1/2" Interline CCD(ICX267AK)	
Effective Pixels	1,447,680 pixels 1392(H) x 1040(V)	
Picture Size	1388x1036	
Cell Size	4.65 um x 4.65 um	
Real Frame Rate	20 (1388x1036, GR8) 20 (1388x1036, GR12) 20 (1388x1036, YUV411) 20 (1388x1036, YUV422)	
Lens Mount	C-Mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 3.0W @12 VDC via 6-pin connector Less than 3.2W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMC-716G Specification

Features (IMC-716G)		
Image Sensor Type	1/3" Interline CCD (ICX445AQ)	
Effective pixels	1,251,936 pixels 1296(H) x 966(V)	
Picture Size	1288 x 964	
Cell Size(um)	3.75 um x3.75 um	
Real Frame Rate	30 (1288x960, Mono 8) 30 (1288x960, Mono 12) 30 (1288x960, YUV411) 30 (1288x960, YUV422)	
Lens Mount	C-Mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMC-715G2 Specification

Features (IMC-715G2)		
Image Sensor Type	1/3" Interline CCD (ICX692AQA)	
Effective pixels	948,328 pixels 1292(H) x 734(V)	
Picture Size	1280x720	
Cell Size(um)	4.08 um x4.08 um	
Real Frame Rate	30 (1280x720, GR8) 30 (1280x720, GR12) 30 (1280x720, YUV411) 30 (1280x720, YUV422)	
Lens Mount	C-Mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMC-715G Specification

Features (IMC-715G)		
Image Sensor Type	1/3" Interline CCD (ICX204AK)	
Effective pixels	805,486 pixels 1034(H) x 779(V)	
Picture Size	1028 x 772	
Cell Size(um)	4.65 um x4.65 um	
Real Frame Rate	35 (1028x772, GR8) 35 (1028x772, GR12) 35 (1028x772, YUV411) 35 (1028x772, YUV422)	
Lens Mount	C-Mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMC-712G Specification

Features (IMC-712G)		
Image Sensor Type	1/2" Interline CCD (ICX414AQ)	
Effective pixels	325,546 pixels 659(H) x 494(V)	
Picture Size	652 x 480	
Cell Size(um)	9.9 um x9.9 um	
Real Frame Rate	91 (652x484, GR8) 91 (652x484, GR12) 91 (652x484, YUV411) 91 (652x484, YUV422)	
Lens Mount	C-Mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

## IMC-711G Specification

Features (IMC-711G)		
Image Sensor	1/3" Interline CCD (ICX424AQ)	
Effective Pixels	325,546 pixels 659(H) x 494(V)	
Picture Size	652 x 484	
Cell Size	7.40 um x7.40 um	
Real Frame Rate	92 (652x484, GR8) 92 (652x484, GR12) 91 (652x484, YUV411) 91 (652x484, YUV422)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice



## IMC-710G Specification

Features (IMC-710G)		
Image Sensor	1/4" Interline CCD (ICX618AQA)	
Effective Pixels	325,546 pixels 659(H) x 494(V)	
Picture Size	652 x 484	
Cell Size	5.60 um x 5.60 um	
Real Frame Rate	100 (652x484, GR8) 100 (652x484, GR12) 100 (652x484, YUV411) 100 (652x484, YUV422)	
Lens Mount	C-mount, CS-Mount	
Scanning System	Progressive System	
Binning	Not support	
ROI	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge (Photo coupler)
	Mode	0, 1, 2, 4, 5, 15
	Source	External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)	
Memory Save/Load	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)	
One-shot/Multi-shot	1 ~ 65535 Shots	
Control Functions	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Hue Saturation, Auto White Balance, User Defined LUT	
Digital Interface / Transfer Rate	1000BT, RJ45 / 1Gbps	
Gain	0 ~ 18 dB (Manual or Auto control)	
Shutter Speed	1 usec ~ 3600 sec (Manual or Auto control)	
Data Depth	12 bit	
S/N Ratio	56dB or better	
Supply Voltage& Power	Less than 2.7W @12 VDC via 6-pin connector Less than 2.5W @ PoE	
External Dimension / Weight	29(W) x 29(H) x 51.1(D) mm / Approx 58g	
Operation Temp/ Storage Temp	-5°C to 45°C / -30°C to 60°C	
Camera Specification	AIA GigE Vision version 1.0	

Remark: Camera specification described above may be changed without notice

# CMOS Cameras

## IMx-770GC

<b>Image Sensor Type</b>	1/2.3" CMOS (Aptina_MT9J003)
<b>Effective pixels</b>	10,043,040 pixels 3660 (H) x 2744 (V)
<b>Picture Size</b>	3660 x 2744
<b>Cell Size(um)</b>	1.67 um x 1.67 um
<b>Real Frame Rate</b>	14 (2592x 1944 , Mono8) 7.5 (10) (2592x1944, Mono12) *( ) : fps at 8000 packet size for Mono
	7.3 fps(3660 x 2744 , Mono8) 7.3 fps (3660 x 2744 , Bayer8) 3.8 fps (5.5) (3660 x 2744, Bayer12) 5.1 fps (7.3) (3660 x 2744, YUV411) 3.8 fps (5.5) (3660 x 2744, YUV422) *( ) : 8000 packets
<b>Lens Mount</b>	C/CS-Mount
<b>Shutter</b>	Rolling Shutter
<b>ROI</b>	Partial Scan (Unit: 4x4)
<b>Trigger Mode</b>	Mode 0, 15 (Photo-coupler)
<b>Strobe</b>	Support Normal Mode (Photo-coupler)
<b>Memory Save/Load</b>	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)
<b>Control Functions</b>	Brightness, Sharpness, Gamma, Auto- Exposure, Shutter, Gain, User Defined LUT, Auto White Balance, Saturation, Hue
<b>Digital Interface / Transfer Rate</b>	1000BT, RJ45 / 1Gbps
<b>Gain</b>	0 ~ 30 dB (Manual or Auto control)
<b>Shutter Speed</b>	500 usec ~ 70.6 msec (Manual or Auto control)
<b>Data Depth</b>	12 bit
<b>S/N Ratio</b>	Above 38dB
<b>Supply Voltage&amp; Power</b>	Less than 2.4W @12 VDC via 6-pin connector Less than 2.6W @ PoE
<b>External Dimension / Weight</b>	29(W) x 29(H) x 51(D) mm / Approx 55g
<b>Operation / Storage Temperature</b>	-5°C to 45°C / -30°C to 60°C
<b>Camera Specification</b>	AIA GigE Vision version 1.0

## IMx-750GC

<b>Image Sensor Type</b>	1/2.5" CMOS (Aptina_MT9P031)
<b>Effective pixels</b>	5,038,848 pixels 2592 (H) x 1944 (V)
<b>Picture Size</b>	2588 x 1944
<b>Cell Size(um)</b>	2.2 um x 2.2 um
<b>Real Frame Rate</b>	14 (2592x 1944 , Mono8) 7.5 (10) (2592x1944, Mono12) *( ) : fps at 8000 packet size for Mono
	14 (2588x1940, Mono8) 14 (2582 x 1940 , Bayer8) 7.5 (10) (2582 x 1940 , Bayer12) 10 (14) (2582 x 1940 , YUV411) 7.5 (10) (2582 x 1940 , YUV422) , *( ) : fps at 8000 packet size for Color
<b>Lens Mount</b>	C/CS-Mount
<b>Shutter</b>	Rolling Shutter
<b>ROI</b>	Partial Scan (Unit: 4x4)
<b>Trigger Mode</b>	Mode 0, 15 (Photo-coupler)
<b>Strobe</b>	Support Normal Mode (Photo-coupler)
<b>Memory Save/Load</b>	9 Channels(0:factory, 1~4:feature, 5~8:mode/feature)
<b>Control Functions</b>	Brightness, Sharpness, Gamma, Auto- Exposure, Shutter, Gain, User Defined LUT, Auto White Balance, Saturation, Hue
<b>Digital Interface / Transfer Rate</b>	1000BT, RJ45 / 1Gbps
<b>Gain</b>	0 ~ 30 dB (Manual or Auto control)
<b>Shutter Speed</b>	500 usec ~ 70.6 msec (Manual or Auto control)
<b>Data Depth</b>	12 bit
<b>S/N Ratio</b>	Above 38dB
<b>Supply Voltage&amp; Power</b>	Less than 2.4W @12 VDC via 6-pin connector Less than 2.6W @ PoE
<b>External Dimension / Weight</b>	29(W) x 29(H) x 51(D) mm / Approx 55g
<b>Operation / Storage Temperature</b>	-5°C to 45°C / -30°C to 60°C
<b>Camera Specification</b>	AIA GigE Vision version 1.0