APPRO Photoelectron

NVIDIA Elite Partner

Camera module for / Jetson ORIN NX / Jetson AGX Orin™ / Jetson AGX Xavier™ / NX / TX2 NX / Jetson Nano™ / Jetson TX2

ORDER NO.	TITLE	INTERFACE	SENSOR	SENSOR VENDOR	RESOLUTION MAX	FRAME RATE MAX	WDR/HDR	PRICE	AGX THOR	ORIN NX/ ORIN NANO	AGX ORIN DEVELOP KIT	AGX XAVIER, NX, TX2 NX, NANO, TX2 DEV-KIT	NOTE
A-01	IMX290(FHD) V-by-One® HS x6	V-By-One @HS	IMX290	SONY	2M(1920x1080)	60fps	N/A	$1,299	N/A	N/A	JP 6.2.X or (#)	Support (*)	
A-03	IMX290(FHD) V-by-One® HS	V-By-One @HS	IMX290	SONY	2M(1920x1080)	60fps	N/A	$190	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
A-04	IMX290(FHD) FPD-LINK III x6	FPD-Link III	IMX290	SONY	2M(1920x1080)	60fps	N/A	$1,299	N/A	N/A	JP 6.2.X or (#)	Support (*)	
A-05	IMX290(FHD) FPD-LINK III x3	FPD-Link III	IMX290	SONY	2M(1920x1080)	60fps	N/A	$699	N/A	N/A	JP 6.2.X or (#)	Support (*)	
A-06	IMX334(4K) V-by-One® HS x1	V-By-One @HS	IMX334	SONY	4K(3840x2160)	30fps	N/A	$230	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
A-07	IMX334(4K) V-by-One® HS x4	V-By-One @HS	IMX334	SONY	4K(3840x2160)	30fps	N/A	$1,099	N/A	N/A	JP 6.2.X or (#)	Support (*)	
A-10	IMX334(4K60f) V-by-One® HS x1 DuoCable	V-By-One @HS	IMX334	SONY	4K(3840x2160)	60fps	N/A	$449	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-01	IMX334(4K) MIPI x4 for Xavier	MIPI (RAW)	IMX334	SONY	4K(3840x2160)	30/60fps	N/A	$849	N/A	N/A	JP 6.2.X or (#)	Support (*)	
B-03	IMX334(4K) MIPI	MIPI (RAW)	IMX334	SONY	4K(3840x2160)	30/60fps	N/A	$249	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-04	IMX179(8M)MIPI	MIPI (RAW)	IMX179	SONY	8M(3280x2464)	8M15fps/1080P(30fps)	N/A	$25	N/A	JP 6.2.X	JP 6.2.X	Support (*)	
B-11	IMX334(4K)+ISP(YUV) x4 for Xaiver	MIPI (YUV)	IMX334	SONY	4K(3840x2160)	30fps	WDR(1T)	$974	JP 7.0	N/A	JP 6.2.X or (#)	Support (*)	
B-13	IMX334(4K)+ISP(YUV)	MIPI (YUV)	IMX334	SONY	4K(3840x2160)	30fps	WDR(1T)	$299	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-14	IMX179 MIPIx2	MIPI (RAW)	IMX179	SONY	4K(3840x2160)	15fps	N/A	$49	N/A	JP 6.2.X (+)	N/A	Support (*)	
B-15	IMX415(4K) MIPI 15PIN/22PIN/36PIN	MIPI (RAW)	IMX415	SONY	4K(3840x2160)	30fps(2lane/15pin) 60fps(4lane/36pin)	N/A	$249	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-16	IMX415(4K) MIPIYUV-i 36PIN/22PIN	MIPI (YUV)	IMX415	SONY	4K(3840x2160)	30fps(4lane/36pin)	WDR(1T)	$269	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-17	AR0822(4K) MIPIYUV-i 36PIN/22PIN	MIPI (YUV)	AR0822	ONSEMI	4K(3840x2160)	30fps(4lane/36pin)	HDR(2T)	$319	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-18	IMX335(5MP) MIPIYUV-i 15PIN/22PIN/36PIN	MIPI (YUV)	IMX335	SONY	5MP(2560x1920)	30fps(4lane/36pin) 25fps(2lane/15pin)	HDR(2T)	$239	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-19	IMX678(4K) MIPIYUV-i5, 36PIN / 22PIN	MIPI (YUV)	IMX678	SONY	4K(3840x2160)	30fps(4lane)	HDR(2T)	$289	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
B-20	IMX678(4K) MIPIRAW, 36PIN / 22PIN / 15PIN	MIPI (RAW)	IMX678	SONY	4K(3840x2160)	30fps(4lane)	HDR(2T)	$269	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
C-01	IMX290(2M)MIPI x6	MIPI (RAW)	IMX290	SONY	2M(1920x1080)	60fps	N/A	$999	JP 7.0	N/A	JP 6.2.X or (#)	Support (*)	
C-03	IMX290(2M)MIPI	MIPI (RAW)	IMX290	SONY	2M(1920x1080)	60fps	N/A	$150	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
C-04	IMX290(2M)MIPI for NX/NANO	MIPI (RAW)	IMX290	SONY	2M(1920x1080)	60fps	N/A	$99	N/A	N/A	N/A	Support (*)	
C-05	IMX290(2M)+ISP(YUV)x1 for NX/NANO	MIPI (YUV)	IMX290	SONY	2M(1920x1080)	60fps	WDR(1T)	$149	N/A	N/A	N/A	Support (*)	
C-11	IMX290(2M)+ISP(YUV)x6	MIPI (YUV)	IMX290	SONY	2M(1920x1080)	60fps	WDR(1T)	$1,299	JP 7.0	N/A	JP 6.2.X or (#)	Support (*)	
C-13	IMX290(2M)+ISP(YUV)x1	MIPI (YUV)	IMX290	SONY	2M(1920x1080)	60fps	WDR(1T)	$200	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
C-14	IMX290 MIPIx2	MIPI (RAW)	IMX290	SONY	2M(1920x1080)	60fps	N/A	$189	N/A	N/A	N/A	Support (*)	
C-15	IMX290+ISP(YUV)x2	MIPI (YUV)	IMX290	SONY	2M(1920x1080)	60fps	HDR(2T)	$289	N/A	N/A	N/A	Support (*)	
C-16	IMX290(2M) MIPI+ISPi(YUV) 15PIN/22PIN/36PIN	MIPI (YUV)	IMX290	SONY	2M(1920x1080)	60fps	HDR(2T)	$239	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
D-01	AR0234(Global shutter)+ISP(YUV)+AF Zoom lens(2.8X)	MIPI (YUV)	AR0234	ONSEMI	2.3M(1920x1200)	100fps(4lane)	WDR(1T)	$249	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
D-02	AR0234(Global shutter)+ISP(YUV)+AF Zoom lens(3.6X)	MIPI (YUV)	AR0234	ONSEMI	2.3M(1920x1200)	100fps(4lane)	WDR(1T)	$249	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
D-03	AR0234(Global shutter)+ISP(YUV)+AF Zoom lens(2.8X) for Orin NX, NANO	MIPI (YUV)	AR0234	ONSEMI	2.3M(1920x1200)	60fps(2lane)	WDR(1T)	$249	N/A	N/A	N/A	Support (*)	
D-04	AR0234(Global shutter)+ISP(YUV)+AF Zoom lens(3.6X) for Orin NX, NANO	MIPI (YUV)	AR0234	ONSEMI	2.3M(1920x1200)	60fps(2lane)	WDR(1T)	$249	N/A	N/A	N/A	Support (*)	
D-05	AR0234(Global shutter) MIPI+ISP(YUV)	MIPI (YUV)	AR0234	ONSEMI	2.3M(1920x1200)	60fps(2lane) 100fps(4lane)	WDR(1T)	$249	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
D-06	AR0144(Global shutter) MIPI+ISP(YUV) 15PIN/22PIN/36PIN	MIPI (YUV)	AR0144	ONSEMI	1.0M(1280x800)	60fps(2lane/15pin)	WDR(1T)	$199	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
D-07	AP-AR0234-Mini-MIPIYUV-I	MIPI (YUV)	AR0234	ONSEMI	2.3M(1920x1200)	60fps(2lane) 120fps(4lane)	WDR(1T)	$249	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
F-01	AR0234(Global shutter)+ISP(YUV)+ V-by-One®	V-By-One @HS	AR0234	ONSEMI	2.3M(1920x1200)	60fps	WDR(1T)	$279	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	(*)(#)(+)
F-02	AR0144(Global shutter)+ISP(YUV)+ V-by-One®	V-By-One @HS	AR0144	ONSEMI	1.0M(1280x800)	60fps	WDR(1T)	$259	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	(*)(#)(+)
F-03	AR0234(Global shutter)+ISPi(YUV)+ V-by-One®	V-By-One @HS	AR0234	ONSEMI	2.3M(1920x1200)	60fps	WDR(1T)	$279	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	(*)(#)(+)
F-05	IMX415(4K)+RAW+ V-by-One®(TX2 NX/NX/NANO)	V-By-One @HS	IMX415	SONY	4K(3840x2160)	15fps(2lane)	N/A	$279	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	(*)(#)(+)
F-07	IMX290(2M)+ISP(YUV)+ V-by-One®(TX2 NX/NX/NANO)	V-By-One @HS	IMX290	SONY	2M(1920x1080)	60fps	HDR(2T)	$269	N/A	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	(*)(#)(+)
E-09	IMX415(4K) + ISPi(YUV) + MAX9295	GMSL2	IMX415	SONY	4K(3840x2160)	30fps(4lane)	WDR(1T)	$299	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
E-10	IMX335(5M)+ISPi(YUV)+ MAX9295	GMSL2	IMX335	SONY	5M(2560x1920)	30fps	HDR(2T)	$269	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
E-11	AR0234(Global shutter) + ISPi(YUV) + MAX9295	GMSL2	AR0234	ONSEMI	2.3M(1920x1200)	60fps	WDR(1T)	$279	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
E-12	IMX290(2M) + ISPi(YUV) + MAX9295	GMSL2	IMX290	SONY	2M(1920x1080)	60fps	HDR(2T)	$269	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
E-13	AR0822(4K) + ISPi(YUV) + MAX9295	GMSL2	AR0822	ONSEMI	4K(3840x2160)	30fps(4lane)	HDR(2T)	$339	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
U-01	AP-AR0144-MiniGSC-U3C	USB	AR0144	ONSEMI	1.0M(1280x800)	60fps	N/A	$149	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
U-01	AP-Vx194x-Mini-USB3-I5	USB 3 (UVC)	VB1940	ST	5M(2560x1920)	50fps	HDR(2T)	$338	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
U-02	AP-IMX900-Mini-USB3-I5	USB 3 (UVC)	IMX900	SONY	3M(2048x1536)	80fps	WDR(1T)	$328	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
U-03	AP-IMX678-Mini-USB3-I5	USB 3 (UVC)	IMX678	SONY	4K(3840x2160)	30fps	HDR(2T)	$322	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
U-04	AP-IMX415-Mini-USB3-I5	USB 3 (UVC)	IMX415	SONY	4K(3840x2160)	30fps	HDR(2T)	$312	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	
U-05	AP-IMX335-Mini-USB3-I5	USB 3 (UVC)	IMX335	SONY	5M(2560x1920)	30fps	HDR(2T)	$292	JP 7.0	JP 6.2.X (+)	JP 6.2.X or (#)	Support (*)	

(#)Can be supported by 3rd party AGX ORIN dev-kits,

A. AETINA : AIB-MX13/23

(+)Can be supported by 3rd party ORIN NX dev-kits,

A. AVerMedia : D131 (MIPI 15 or 36pin)

, D133 (MIPI 22pin)

, D115 (MIPI 22pin)

B. AETINA : AIB-SN31/41 | AIB-SO21/31 (MIPI-22pin)

Please select the correct MIPI output type based on your dev-kit.

Support (*): If you would like to confirm the details of supported versions, please contact our sales staff.

A. AGX Xavier dev-kit	JP 5.1.X
B. NX dev-kit	JP 5.1.X
C. TX2 NX / NANO dev-kit	JP 4.6.X
D. TX2 dev-kit	JP 4.6.X

Please refer to below NVIDIA link to get more detail.

https://developer.nvidia.com/embedded/jetpack-archive