

Product	MP321P3XCG	MP322XCG	MP663XCG
<b>Video Input</b>			
Interface	Bayer RGB CCIR-601 8bit CCIR-656 8bit	Bayer RGB CCIR-601 8bit CCIR-656 8bit	CCIR-601 8bit CCIR-656 8bit
ISP	Yes	Yes	n/a
Resolution	3Mp	5Mp	5Mp
<b>Memory Storage</b>			
Memory Card	SD/MMC/MS	SD/MMC/MS	SD(SDHC)
NAND Flash	SLC	SLC/MLC (ECC: 4bit)	SLC/MLC (ECC: 24bit/1KByte)
<b>Photo</b>			
JPEG Encoding	3Mp	5Mp	5Mp
JPEG Decoding	4K x 4K Pixel	8K x 8K Pixel	64K x 64K Pixel
<b>Audio</b>			
MP3/WMA Decoding	Yes	Yes	Yes
AMR Recording	Yes	Yes	Yes
<b>Video</b>			
Video Recoding	MJPEG: CIF@30	MJPEG: D1@30 MJPEG: 1280x720@15	MJPEG: 1280x720@24
Video Decoding	MJPEG: CIF@30 H.263: CIF@30 MPEG-4 CIF@30	MJPEG: D1@30 MJPEG: 1280x720@15 H.263: D1@30 MPEG-4 D1@30	MJPEG: 1280x720@24
<b>Display</b>			
Panel Support	Parallel RGB666 Series RGB 8bit CCIR-601 CCIR-656 i80/M68 MPU	Parallel RGB666 Series RGB 8bit CCIR-601 CCIR-656 CCIR-709 i80/M68 MPU	RGB666 Series RGB 8bit CCIR6-01 CCIR-656 i80/M68 MPU
Digital TCON	n/a	n/a	Yes
TV Encoder(built-in)	n/a	Yes	n/a
<b>USB Functions</b>			
USB I/F	USB 1.1 Device	USB 2.0 Device	USB 2.0 Device
<b>Audio Codec</b>			
I2S Interface	Yes	Yes	Yes
Audio DAC & Amplifier(built-in)	n/a	Yes	n/a
<b>Peripheral</b>			
RTC(Stamp Recording Time)	n/a	Yes	Yes (3.0V)
Spectrum for PLL for EMI	n/a	n/a	Yes
ADC for periphery control	n/a	n/a	2 ports
<b>System Memory</b>			
DRAM Type	SDRAM(Bui;t-in 4MB)	SDRAM(Bui;t-in 8MB)	SDRAM(Up to 16MB)
NOR Flash Type	n/a	Parallel	SPI
Boot	Host CPU	Host CPU/NAND Flash	NAND/NOR Flash
Embedded CPU	32bit, 96MHz	32bit, 120MHz	32bit, 166MHz
Package	169-BGA (9mm x 9mm x 1.0mm)	200-TFBGA (9mm x 9mm x 1.0mm)	144-TFBGA (10mm x 10mm x 1.1mm)