



## IMAGE PROCESSORS

# PRODUCT SELECTION GUIDE

	Full-HD					4K	
Target Applications	Projector	Monitor		Converter		Matrix/Multiviewer	4K Monitor
Image Processor	<b>IP00C787</b>	<b>IP00C811</b>	<b>IP00C812B</b>	<b>IP00C706</b>	<b>IP00C755</b>	<b>IP00C733</b>	<b>IP00C734</b>
Inputs	1	2	2	1	2	4	4
Input Interface	LVC MOS/LVDS	LVC MOS/Analog	LVC MOS/Analog	LVC MOS	LVC MOS/LVDS	LVC MOS	LVC MOS
Output Ports	1	1	2	1	1	4	4
Output Interface	LVC MOS/LVDS	LVC MOS/LVDS	LVDS	LVC MOS/LVDS	LVC MOS/LVDS	LVC MOS	LVDS
Motion Adaptive De-interlacer	—	Yes (1 Ch)	Yes (2 Ch)	Yes (1 Ch)	Yes (2 Ch)	—	Yes (4 Ch)
Scaling Filter	—	Polyphase	Polyphase	Polyphase, 2D	Polyphase	Polyphase	Polyphase
PIP/PoP	—	Yes	Yes	—	Yes	Yes	Yes
Gamma Correction	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3D Color Management	—	—	—	Yes	—	—	—
Uniformity Correction	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Uniformity Correction (per pixel)	Yes	—	—	Yes	Yes	Yes	Yes
90 Rotation/Flip/Mirror	Mirror/Flip	Yes	Yes	Yes	Yes	Yes	Yes
Bitmap OSD	256 Colors	256/64K Colors	256/64K Colors	256/64K Colors	256 Colors	256 Colors	256 Colors
Embedded CPU	—	ARM9	ARM9	—	—	—	—
Ethernet/USB	—	—	Yes	—	—	—	—
Package	BGA-496, 27x27mm	PBGA-900, 31x31mm	PBGA-900, 35x35mm	PBGA-484, 27x27mm	BGA-496, 27x27mm	PBGA-544, 27x27mm	BGA-786, 27x27mm
Supply Voltage	3.3V/1.8V/1.2V	3.3V/1.8V/1.2V	3.3V/1.8V/1.2V	3.3V/1.8V/1.2V	3.3V/1.8V/1.2V	3.3V/1.8V/1.2V	3.3V/1.8V/1.2V
External Memory	Internal DDR2	DDR3 (2 pcs)	DDR3 (4 pcs)	DDR2 (4 pcs)	Internal DDR2	DDR2 (4 pcs)	DDR2 (4 pcs)
Status	Sampling	Shipping	Shipping	Shipping	Sampling	Shipping	Sampling

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*The information presented herein is subject to change and is intended for general information only. (PSG 12/15)*