

Comparison of MDIN Scaler Series

ITEM		MDIN-325 / 325A	MDIN-340	MDIN-380	MDIN-360	MDIN-400
Dual Input/Output		Dual-In & Dual-Out	Dual-In & Dual-Out	Dual-In & Dual-Out	Dual-In & Dual-Out	Dual-In & Dual-Out
Input (Digital Only)	BT.656	8/10-bit	8/10-bit	8/10-bit	8/10-bit	8/10-bit
	BT.601/1120, SMPTE 4:2:2	16/20/24-bit	16/20/24-bit	16/20/24-bit	16/20/32/40-bit	16/20/32/40-bit
	RGB/YCbCr 4:4:4	24-bit	24-bit	24/30/36-bit	12/15/24/30/48-bit	12/15/24/30/48-bit
	D1 (BT.656) 4Ch.	X O	X	O	X	X
	Max. Pixel Rate	165MHz	165MHz	165MHz	195MHz	300MHz
	DDR & 2xSDR	X	X	X	O	O
	Progres. Input	Max. Input 1920 x 1152p, UXGA	1920 x 1152p, UXGA	1920 x 1152p, UXGA	1920 x 1200p60	4096 x 2160p30
	Interlaced Input	Max. Internal Proc. 1920 x 1152p, UXGA	1920 x 1152p, UXGA	1920 x 1152p, UXGA	1920 x 1200p60	4096 x 2160p30
	Interlaced Input	Max. Input 1920 x 1152i	1920 x 1152i	1920 x 1152i	1920 x 1152i	1920 x 1152i
Interlaced Input	Max. Internal Proc. 1920 x 1152i	1920 x 1152i	1920 x 1152i	1920 x 1152i	1920 x 1152i	
Output	BT.656	8/10-bit	X	8/10-bit	8/10-bit	8/10-bit
	BT.601/1120, SMPTE	16/20-bit	X	16/20-bit	16/20/32/40-bit	16/20/32/40-bit
	RGB/YCbCr 4:4:4	24-bit	X	24/30-bit	12/15/24/30/48-bit	12/15/24/30/48-bit
	4Ch. D1	X O	X	O	X	X
	DDR & 2xSDR	X	X	X	O	O
	Analog (RGB/YpPr)	O	O	O	X	X
	HDMI(DVI) / LVDS	X	HDMI 1.3 / DVI	HDMI 1.3 / DVI	LVDS	LVDS(Max. 2M)
	CVBS/SVIDEO	O	X	O	CVBS Only	CVBS Only
	Max. Pixel Rate	165MHz	165MHz	165MHz	195MHz	300MHz
	Max. Resolution	1920 x 1152p, UXGA	1920 x 1152p, UXGA	1920 x 1152p, UXGA	1920 x 1200p60	4096 x 2160p30
3D NR	Interlaced Input	X O	O	O	O	O
	Progressive Input	X O	O	O	O	O
4:2:2 / 4:4:4 Processing		4:2:2	4:2:2	4:2:2	4:2:2 / 4:4:4	4:2:2 / 4:4:4
Gamma Control		Pseudo	Pseudo	Pseudo	Full	Full
Image Control	PIP/POP Display	X O	O	O	O	O
	4xD1 Quad Display	X O	O	O	X	X
Flexible Frame Rate Conversion		3-250Hz	3-250Hz	3-250Hz	3-250Hz	3-250Hz
Internal MCU		X	X	X	X	O
Frame Memory		Embedded DDR	Embedded DDR	Embedded DDR	Embedded DDR2	Embedded DDR2
OSD Layer		4 Layers(True Color)	4 Layers(True Color)	4 Layers(True Color)	4 Layers(True Color)	4 Layers(True Color)
Host Control I/F		I ² C	I ² C	I ² C/PCI/Parallel	I ² C/SPI	I ² C/SPI
Package		144-pin FBGA (12mm x 12mm)	144-pin FBGA (12mm x 12mm)	240-pin FBGA (12mm x 16mm)	196-pin FBGA (12mm x 12mm)	256-pin FBGA (14mm x 14mm)