

720x576	1280x720	1	No	6x6	8	9	927	1170	842	4	12	217
1280x720	1920x1080	3	Yes	4x4	8	12	1165	1584	1164	8	16	255

1. Performance and utilization data are generated targeting a LFE2-20E-7F484C device using Lattice Diamond 1.1 and Synplify Pro D-2010.03L-SP1 software. Performance may vary when using a different software version or targeting a different device density or speed grade within the LatticeECP2 family.

LatticeXP2¹

Max Input Frame Size	Max Output Frame Size	Color Panes	Dynamic	Taps	Pixel Width	Coeff Width	Registers	LUTs	Slices	EBRs	9x9 Multipliers	f _{MAX}
1280x720	720x576	1	No	4x4	8	9	716	903	670	4	8	194
720x576	1280x720	1	No	6x6	8	9	927	1170	842	4	12	205
1280x720	1920x1080	3	Yes	4x4	8	12	1165	1584	1164	8	16	237

1. Performance and utilization data are generated targeting a LFXP2-17E-7F484C device using Lattice Diamond 1.1 and Synplify Pro D-2010.03L-SP1 software. Performance may vary when using a different software version or targeting a different device density or speed grade within the LatticeXP2 family.

Ordering Information

Family	Part Number
LatticeECP3	SCALER-E3-U1
LatticeECP2M/S	SCALER-PM-U1
LatticeECP2/S	SCALER-P2-U1
LatticeXP2	SCALER-X2-U1

IP Version: 1.0

Evaluate: To download a full evaluation version of this IP, go to the IPexpress tool and click the IP Server button in the toolbar. All LatticeCORE IP cores and modules available for download will be visible. For more information on viewing/downloading IP please read the [IP Express Quick Start Guide](#).

Purchase: To find out how to purchase the IP Core, please contact your [local Lattice Sales Office](#).