

Ultimate Feature Comparison Chart

	U-400	U-400 Deluxe	U-500	U-500 Deluxe	U-9	U-10	U-11 SD/HD	U-HD
	Obsolete Product	Obsolete Product			Obsolete Product	Obsolete Product		Obsolete Product
Matte Controls								
New Matte Algorithms (2X range)			•	•		•	•	•
Matte Correction (sub-pixel)			• (H)	• (H)		• (H)	• (H)	•
Sub-Pixel matte sizing		H & V	Horizontal	Horizontal	H & V	Horizontal	Horizontal	Horizontal
Internal Processing	4:4:4:4	4:4:4:4	4:4:4:4	4:4:4:4	4:4:4:4	4:4:4:4	4:4:4:4	4:4:4:4
Clean Up Shrink / Blur			•	•		•	•	•
Screen Correction								•
Colorizers								
FG Master Level	•	•	•	•	•	•	•	•
FG Master Black		•	•	•	•	•	•	•
FG Master Contrast		•	•	•	•	•	•	•
FG Master Saturation		•	•	•	•	•	•	•
FG RGB Level		•		•	•	•	•	•
FG RGB Black		•		•	•	•	•	•
BG RGB Contrast		•		•	•	•	•	•
FG RGB Saturation		•		•	•	•	•	•
BG Master Level		•	•	•	•	•	•	•
BG Master Black	•	•	•	•	•	•	•	•
BG Master Contrast		•	•	•	•	•	•	•
BG Master Saturation		•	•	•	•	•	•	•
BG RGB Level		•		•	•	•	•	•
BG RGB Black		•		•	•	•	•	•
BG RGB Contrast		•		•	•	•	•	•
BG RGB Saturation		•		•	•	•	•	•
Ambiance			Reflective	Reflective & Direct	Reflective & Direct	Reflective	Reflective & Direct	Reflective & Direct
Matte Tracking								
Matte Controls					•	•		•
Color Controls					•	•		•
Keyframe effects	•	•			•	•		•
Background Defocus					•			
Windowing								
Internal Window Generator	•	•	•	•	•	•	•	•
Soft Edge Windows	4 settings	4 settings	Variable	Variable	Variable	4 settings	Variable	4 settings
Internal Window Shaping					•	•		
File Systems								
File Clear - reset to factory default	•	•	•	•	•	•	•	•
User Files (non-volatile)	5	5	20	20	20	20	20	20
File memory (non-volatile)	20	90	90	90	90	90	90	90

	U-400	U-400 Deluxe	U-500	U-500 Deluxe	U-9	U-10	U-11 SD/HD	U-HD
	Obsolete Product	Obsolete Product			Obsolete Product	Obsolete Product		Obsolete Product
Inputs/Outputs								
Input Router			4	4	8	8	4	
Foreground/Background Inputs - Serial Digital Interface (SDI)	All SD Standards 1x 4:2:2 (YUV)	All SD Standards 1x 4:2:2 (YUV)	All SD Standards >1x 4:2:2 (YUV) as per input config	All SD Standards >1x 4:2:2 (YUV) as per input config	All SD Standards >1x 4:2:2 (YUV) as per input config	All SD Standards >1x 4:2:2 (YUV) as per input config	All HD Standards All SD Standards >1x 4:2:2 (YUV) as per input config	All HD Standards >1 x 4:2:2 (YUV) or >1 x 4:4:4 (RGB) as per input config.
Looping inputs	FG, BG, REF	FG, BG, REF	inputs 1 - 4	inputs 1 - 4	2 x configurable	2 x configurable	inputs 1 - 4	2 x configurable
External Matte	•	•	2X	2X	•	•	2X	•
Hold-Out Matte		•	•	•	•	•	•	•
GPI Inputs (Outputs)	3 (1)	3 (1)	3 (1)	3 (1)	10 (2)	10 (2)	3 (1)	10 (2)
Outputs - Serial Digital Interface (SDI)	1x 4:2:2 (YUV) FG+BG 1 x 4:0:0 (YUV) matte	1x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte	1x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte	1x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte	2x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte	2x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte	1x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte	2x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte, or 1x 4:4:4 (RGB)
Monitor Out (Independent of FG+BG Out) 1 x 4:2:2 YUV			SD SDI	SD SDI			HD/SD SDI	
Frame Store (volatile)					BG	BG, Matte In		BG, Matte, Screen Correct
Genlock Source (SDI)	Reference	Reference	Input No. 1	Input No. 1	Any of 8 inputs	Any of 8 inputs	Input No. 1	Any of 4 inputs
Relative Input Timing	+/- 0.5H	+/- 0.5H	+/- 0.5H	+/- 0.5H	+/- 0.5H	+/- 0.5H	+/- 0.5H	+/- 0.5H
Path Delay	24 µsec to 61.8 µsec +1H	24 µsec to 61.8 µsec +1H	19.8 µsec to 73 µsec	19.8 µsec to 73 µsec	1 frame	24 µsec to 47.2 - 87.4 µsec +1H	HD:720p:3.85 µsec to 21 µsec SD:1080i:3.85 µsec to 29.6 µsec	24 µsec to 4.0 - 31.5 µsec +1H
Edit Controller/Computer Interface - Selectable	With Smart Remote	With Smart Remote	RS-422/RS-233	RS-422/RS-233	RS-422/RS-232	RS-422/RS-232	RS-422/RS-232	RS-422/RS-232
Other								
Virtual Control Panel (Win2000/XP)	•	•	•	•	•	•	•	•
High contrast LCD control panel	optional	optional	optional	optional	optional	optional	optional	included
Software Developers tool kit	•	•	•	•	•	•	•	•
Chassis size	1 RU	1 RU	1 RU	1 RU	1 RU	1 RU	1 RU	1 RU
Ethernet 10/100 Mbps Port (Future Activation)			•	•			•	

All features subject to change without notice.