

Which chroma keyer do you need?

	Safire 3	Safire 3 Xpress
Input formats (50Hz and 59.94Hz where unspecified)	1080p23.98/24/25/29.97/30/50/59.94/60, 1080PsF23.98/24/25/29.97/30, 720p50/59.94/60, 1080i50/59.94/60, 2048x1080PsF/p23.98/24/25/29.97/30 (YUV 4:2:2 10 bit), 625i, 525i	1080p23.98/24/25/29.97/30/50/59.94/60, 1080PsF23.98/24/25/29.97/30, 720p50/59.94/60, 1080i50/59.94/60, 2048x1080PsF/p23.98/24/25/29.97/30 (YUV 4:2:2 10 bit), 625i, 525i
Number of video inputs	3 (Foreground, Background, Key)	3 (Foreground, Background, Key)
Number of video outputs	1 main and 1 auxiliary	1 main and 1 auxiliary
Real-time chroma keying	●	●
Cursor-based auto-setup	● 1, 5 or 12 Background sample points and 0, 1 or 4 Foreground sample points	● 1 Background sample point only
Freeze input	●	●
Chroma Key Gain (Min Clip and Max Clip)	●	●
Chroma Key Hue, Saturation and Acceptance Angle	●	●
Foreground Hue, Suppression and Acceptance Angle	●	●
Foreground Balance and Foreground Tints	●	
Lighting Compensation	●	●
Auto Lighting	●	
Chroma Key Removal (Black, Grey, White)	●	
Shadow Density	●	●
Edge Processing	●	
Key Shrink	●	●
Ring Suppression, Noise Reduction and Edge Softening Filters	●	
Foreground colour correction (RGB lift and gain)	●	
Foreground and Background lift, gain and chroma adjustments	●	
Foreground Re-spill (including Auto Re-spill)	●	
Foreground/Background selectable as matte colour or black	●	
Additive or multiplicative modes	●	●
Internal Foreground and Background masks with adjustable edge softness	●	●
External Key, External Mask and Self Key modes	●	●
Fade keys and Fade to black	●	●
Mix between Foreground and Background when no keying enabled	●	●
Use masks to provide simple manual wipe	●	●
Reference timing	From Foreground, Background or Key input or from SD Black and Burst or HD tri-level syncs, with frame synchroniser on each input	From Foreground, Background or Key input or from SD Black and Burst or HD tri-level syncs, with frame synchroniser on each input
Video delay (on each input)	Up to 10 frames additional user delay in one frame steps	
Output embedded audio	From any chosen input	From any chosen input
Relay bypass protection	● (with RM73)	● (with RM73)
GPI inputs (used for preset recall and key fade)	6	4
Number of presets	40	5
Frame slots used	1	1