

Ultimate Hardware Comparison Chart

| | U-11 SD/HD | U-500DLX | U-500 |
|---|------------|----------|----------|
| <i>Matte Controls</i> | | | |
| New Matte Algorithms (2X range) | • | • | • |
| Matte Correction (sub-pixel) | • (H) | • (H) | • (H) |
| Sub-Pixel matte sizing | • (H) | • (H) | • (H) |
| Internal Foreground Processing/Matte Generation | 4:4:4:4 | 4:4:4:4 | 4:4:4:4 |
| Clean Up Shrink and Blur | • | • | • |
| Garbage Matte Clean Up | • | • | |
| Layering (with correct transparency levels) | • | | |
| Noise Equalizing (Noise on Virtual BG to match FG) | • | • | |
| <i>Colorizers</i> | | | |
| FG Master Level/Black/Contrast/Saturation | • | • | • |
| FG R,G,B Level/Black/Contrast/Saturation | • | • | |
| BG Master Level/Black/Contrast/Saturation | • | • | • |
| BG R,G,B Level/Black/Contrast/Saturation | • | • | |
| Ambiance - Reflective | • | • | • |
| Ambiance - Direct Lighting | • | • | |
| <i>Windowing</i> | | | |
| Internal Window Generator with invert | • | • | • |
| Soft Edge Windows | Variable | Variable | Variable |
| <i>File Systems</i> | | | |
| File Clear -- reset to factory default | • | • | • |
| Alt + File Clear - reset to User File | • | • | • |
| Quick Files (Volatile) | 5 | 5 | 5 |
| User Preference Files (non-volatile) | 20 | 20 | 20 |
| File memory (non-volatile) | 90 | 90 | 90 |
| File Transfer (between same model number) | • | • | • |
| Power Up with Preset User Settings | • | • | • |
| <i>Other</i> | | | |
| Virtual Control Panel (Win2000/XP/Vista) | optional | optional | optional |
| High contrast LCD control panel | optional | optional | optional |
| GPI Outputs Controlled By Unit Selection (Router Control) | • | • | • |
| Chassis size | 1 RU | 1 RU | 1 RU |
| Factory Upgradeable to U-11 SD/HD | | • | • |

| | U-11 SD/HD | U-500DLX | U-500 |
|---|--|--|--|
| Inputs/Outputs SDI (Serial Digital Interface) - all inputs must be the same format | | | |
| HD-SDI -All HD(4:2:2) Formats <i>(Except 1080p 50/60)</i> | • | | |
| SD-SDI -All SD (4:2:2) Formats | • | • | • |
| Input Router | 4 | 4 | 4 |
| Foreground Inputs - HD-SDI | >1x 4:2:2(YUV) as per input config | | |
| Background Inputs - HD-SDI | >1x 4:2:2(YUV) as per input config | | |
| Layer Inputs - HD-SDI | >1x 4:2:2(YUV) as per input config | | |
| External Matte Inputs - HD-SDI | 2X 4:0:0 / 1X4:4 | | |
| Foreground Inputs - SD-SDI | >1x 4:2:2(YUV) as per input config | >1x 4:2:2(YUV) as per input config | >1x 4:2:2(YUV) as per input config |
| Background Inputs - SD-SDI | >1x 4:2:2(YUV) as per input config | >1x 4:2:2(YUV) as per input config | >1x 4:2:2(YUV) as per input config |
| External Matte Inputs - SD-SDI | 2X 4:0:0 / 1X4:4 | 2X 4:0:0 / 1X4:4 | 1X 4:0:0 |
| Looping Inputs | • | • | • |
| Hold-Out Matte | • | • | • |
| GPI Inputs (Outputs) | 3 (1) | 3 (1) | 3 (1) |
| Outputs - HD-SDI | 2x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte | | |
| Outputs - SD-SDI | 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 | 2x 4:2:2 (YUV) FG+BG 1x 4:0:0 (YUV) matte |
| Monitor Out (Independent of FG+BG Out) HD-SDI | 1 x 4:2:2 YUV | | |
| Monitor Out (Independent of FG+BG Out) SD-SDI | 1 x 4:2:2 YUV | 1 x 4:2:2 YUV | 1 x 4:2:2 YUV |
| Monitor Out Garbage Matte Highlight | • | • | • |
| Monitor Out Mirror | • | • | • |
| Genlock Source (SDI) | Input No. 1 | Input No. 1 | Input No. 1 |
| Relative Input Timing | +/- 0.5H | +/- 0.5H | +/- 0.5H |
| Edit Controller/Computer Interface (Selectable) | RS-485/RS-232 | RS-485/RS-233 | RS-485/RS-233 |
| Auto Timing (within +/- 0.5H) | • | • | • |
| Auto timing (within 1 Frame) | • | • | |
| Adjustable Frame Delay (Input 1 & Input 2 Independently) | 0 To 7 Frames | 0 To 7 Frames | |