




Which colour corrector or legaliser do you need?

| |  M-COCO-2 |  CoCo 3G |  M-SAFESWITCH-2L |
|---|---|---|---|
| Frame system | Vision (3U) | Indigo (2U, 1U, DTB) | Vision (3U) |
| Product type (NB. Software apps run on MARBLE-V1 media processor hardware) | Software app | Card | Software app |
| Main use | Colour corrector and legaliser | Colour corrector and legaliser | Clean routing switch and legaliser |
| Single or dual channel | Dual | Single | Dual |
| Works with SDI (3Gb/s, HD and SD) | ● | ● | ● |
| Works with IP (ST 2022-6, ST 2022-7, ST 2110-10, ST 2110-20 and ST 2110-21) | ● | | ● |
| Video formats supported | 31 (625i, 525i, 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 2048x1080p23.98, 2048x1080p24, 2048x1080p25, 2048x1080p29.97, 2048x1080p30, 2048x1080PsF23.98, 2048x1080PsF24, 2048x1080PsF25, 2048x1080PsF29.97, 2048x1080PsF30) | 25 (625i, 525i, 720p23.98, 720p24, 720p25, 720p29.97, 720p30, 720p50, 720p59.94, 720p60, 1035i59.94, 1035i60, 1080PsF23.98, 1080PsF24, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94 and 1080p60) | 31 (625i, 525i, 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 2048x1080p23.98, 2048x1080p24, 2048x1080p25, 2048x1080p29.97, 2048x1080p30, 2048x1080PsF23.98, 2048x1080PsF24, 2048x1080PsF25, 2048x1080PsF29.97, 2048x1080PsF30) |
| Inputs and outputs can be any mixture of SDI and IP | ● | | ● |
| Inputs and outputs can be mixture of ST 2022 and ST 2110 | ● | | ● |
| Includes IP gateway functionality (IP to SDI or SDI to IP) | ● | | ● |
| Includes IP to IP translation functionality (network address translation, unicast to multicast address translation, setting firewall restrictions etc.) | ● | | ● |
| Number of video outputs (max) | 1 per channel (or 2 if configured as single channel device) | 5 (2 main and 3 auxiliary) | 3 (NB. Any output can be routed to either switch or to any input. One output is fixed as IP, other two can be IP or SDI) |
| Preview mode | If configured as single channel device | ● | |
| RGB gain | ● | ● | |
| RGB lift | ● | ● | |
| YUV gain | ● | ● | |
| YUV lift | ● | ● | |
| Video gain | ● | ● | |
| Chroma gain | ● | ● | |
| Chroma hue | ● | ● | |
| Overall and individual RGB gamma | ● | ● | |
| Black clean up | | ● | |
| Y Stretches (Black Stretch and Highlights Stretch) | ● | | |
| Legalising | RGB clipping to EBU R 103 or custom, with constant hue, desaturation, hard, medium and soft modes; Y/C clipping with hard, medium and soft modes | RGB clipping with desaturation mode; Y/C clipping with hard, medium and soft modes | RGB clipping to EBU R 103, with constant hue, desaturation, hard, medium and soft modes |
| Highlight illegal signal values | ● | ● | |
| Horizontal and vertical wipes for before and after comparison | ● | ● | |
| Horizontal and vertical cropping | | ● | |
| Video framestore synchronisers | 3 | | 4 |
| Reference timing | From any SDI input, or from Vision frame dual references (SD Black & Burst or HD tri-level syncs) or PTP, with reference redundancy and user options for timing source priority | | From any SDI input, or from Vision frame dual references (SD Black & Burst or HD tri-level syncs) or PTP, with reference redundancy and user options for timing source priority |
| Video delay (additional user delay, adjustable in one frame steps) | Up to ten frames on output | | Up to ten frames on input, plus additional 60 frames available for Source B to match long Source A delays; up to ten frames on output |
| Passes entire video stream including embedded audio and data | ● (when SDI or ST 2022 – no audio or data in ST 2110-20) | ● | ● (when SDI or ST 2022 – no audio or data in ST 2110-20) |
| Internal test pattern generator (with 13 test patterns) | ● | | ● |
| Comprehensive signal monitoring (see product brochures for full details) | ● | ● | ● |
| Number of presets | 16 | 16 | 16 |
| Hands-on control panels available | VisionPanel and SBB-4 | CoCo 3G Controller, VisionPanel and SBB-4 | VisionPanel and SBB-4 |
| SNMP control | Complimentary | Available for purchase | Complimentary |
| GPI inputs and outputs | | Four GPI inputs for selecting presets; two GPI outputs for clip status | |
| Relay bypass protection | ● (VR07 option when used with SDI) | ● (RM64 option) | ● (VR07 option when used with SDI) |
| Fibre I/O (for SDI over fibre) | ● (NB. IP only over fibre) | ● (RM57 option) | ● (NB. IP only over fibre) |
| Frame slots used | 2 | 1 | 2 |
| Colour correctors or legalisers in frame (max) | 20 in 3U | 12 in 2U | 20 in 3U |
| | M-COCO-2 | CoCo 3G | M-SAFESWITCH-2L <i>(See the Routing switches comparison chart for the rest of the M-SAFESWITCH-2L features)</i> |