

DCK-500P

Digital Chromakeyer

- 8-bit Digital processing for High Picture Quality
- Auto-Chromakey
- Manual Key Control Including Colour Cancel
- Digital Colour Correction
- Multiple Format Inputs and Outputs
- Snapshot Control from Editing Controller
- Two Frame Synchronizers

Supplied accessories: AC power cable
Operation manual
Optional accessories: Control panel adopter BKDC-501

Specifications

General

Power requirement: AC 220/240V, 50/60Hz
Operating voltage: AC 180 to 264V, 48 to 63Hz
Power consumption: 65W
Dimensions: Processor 424 (W) × 132 (H) × 450 (D) mm
(16³/₄ × 5¹/₄ × 17³/₄ inches)
Control Panel 325 (W) × 52 (H) × 132 (D) mm
(12⁷/₈ × 2¹/₈ × 5¹/₄ inches)
Mass: Processor Approx. 12 kg (26 lb 7 oz)
Control Panel Approx. 1.6 kg (3 lb 8 oz)
Operating temperature: 0 to 40°C (32 to 104°F)

Inputs

Video Inputs 1/2:
Input 1 Loop through
Input 2
Composite BNC type
Video: 1.0Vp-p, 75Ω
Sync: 0.3Vp-p
Burst: 0.3Vp-p
Y/C (S-video) DIN 4-pin
Y: 1.0Vp-p, 75Ω
C: 0.3Vp-p, 75Ω, burst
Component (Betacame) BNC type
Y: 1.0Vp-p, 75Ω
R-Y/B-Y: 0.525Vp-p, 75Ω, 100/0/75/0
Component RGB BNC type
RGB: 0.7Vp-p, 75Ω
Sync: 0.3 to 4.0Vp-p, 75Ω
GENLOCK IN BNC type, Loop-through
Video: 1.0Vp-p, 75Ω
Sync: 0.3Vp-p
Burst: 0.3Vp-p

Outputs

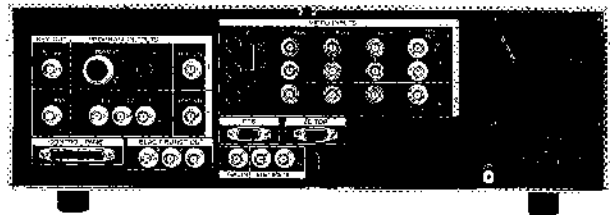
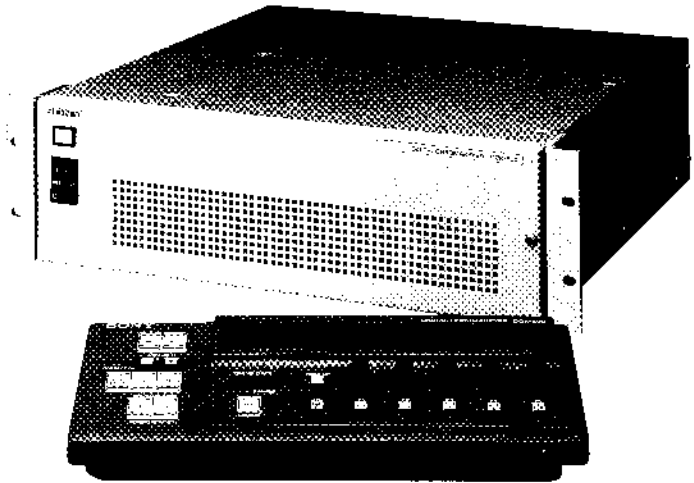
PGM OUT 1/2
Composite BNC type
Video: 1.0Vp-p, 75Ω
Sync: 0.3Vp-p
Burst: 0.3Vp-p
Y/C (S-video)* DIN 4-pin
Y: 1.0Vp-p, 75Ω
C: 0.3Vp-p, 75Ω, burst
Component 12-pin (for OUTPUT 1), BNC type (for OUTPUT 2)
Y: 1.0Vp-p, 75Ω
R-Y/B-Y: 0.525Vp-p, 75Ω, 100/0/100/0
KEY OUT 1/2: BNC type
1.0Vp-p, 75Ω, without sync
BLACK BURST OUT 1/2/3: BNC type
Sync: 0.3Vp-p, 75Ω, burst
Burst: 0.3Vp-p, 75Ω, burst

Interface

Editor: D-sub 9-pin, conforming to RS-422A
GPI: BNC type, TTL level
Control panel: D-sub 25-pin, conforming to RS-422A
DFS: D-sub 9-pin, conforming to RS-422A

Signal Processing

Sampling Frequency: Y: 908fH (fH: 15.625kHz)
R-Y/B-Y: 1/2 × 908fH
Quantization: Y/R-Y/B: 8 bits
Linearity (Composite output): DP: Less than 2.5% - Composite input
Less than 1.0% - Y/C, Component input
DG: Less than 3.5% - Composite input
Less than 2.0% - Y/C, Component input
Crosstalk: Less than -50dB
Frequency response: 0 to 5MHz +0.5dB/-1dB
Signal to noise ratio: More than 51dB - Composite
More than 55dB - Y/C, Component
Y/C delay: Less than 20ns - Component
Less than 50ns - Y/C, Composite



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