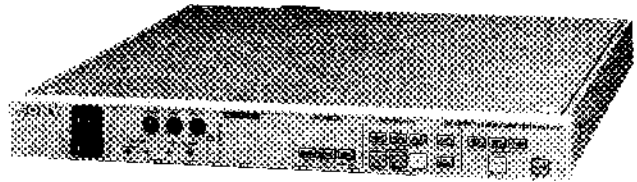


# MPU-F100P

## Simplified time base corrector

- Accepts asynchronous video signals, locks them with the house sync and outputs synchronous video signals
- Time base error corrections to eliminate skew errors and jitter
- SC (Sub Carrier) and H (Horizontal sync) phase control
- Multiple Inputs/Outputs; composite video, component video (RGB or Y/R-Y/B-Y selectable) and Y/C (S-video) separate video signals
- Simple picture effects functions; MOSAIC, POSTERIZATION and MULTI-PICTURE (3 × 3)
- External genlock capability for composite video or black burst signal
- Synchronization with the timing of the camera signal output of Sony DXC-930P 3-CCD colour video camera in a low speed shutter mode (shutter speed: 1 to 255 frames in Field Mode, 2 to 256 frames in Frame Mode), suited for image processing or analysis applications
- Video signal control; colour level, video level and setup level of the composite and Y/C separate video signals
- Three levels of noise reduction for still pictures
- RS-232C interface for external computer control
- 19-inch rack mountable with the supplied rack mount adaptor



Downloaded from: [www.broadcast-trader.com.au](http://www.broadcast-trader.com.au)

Supplied accessories: AC power cable  
Rack mount kit  
Operation manual  
Interface manual

## Specifications

### General

Power requirement: AC 220V, 230V, 240V, 50Hz  
Power consumption: Max. 0.2A  
Dimensions: 424(W) × 54(H) × 446(D)mm  
(18<sup>3</sup>/<sub>4</sub> × 2<sup>1</sup>/<sub>8</sub> × 17<sup>5</sup>/<sub>8</sub> inches)  
Mass: 6.5kg (14 lb 5 oz)

### Video inputs

Composite video: 1.0Vp-p, 75Ω (BNC) with loop-through  
S-Video: Y: 1.0Vp-p, 75Ω  
C: 0.3Vp-p, 75Ω (DIN 4-pin)  
R.G.B.: 0.7Vp-p, 75Ω (BNC × 3)\*  
Sync: 4.0Vp-p, 75Ω (BNC)  
Y/R-Y/B-Y: Y: 1.0Vp-p, 75Ω  
R-Y: 0.7Vp-p, 75Ω  
B-Y: 0.7Vp-p, 75Ω (BNC × 3)\*  
\* RGB or Y/R-Y/B-Y is selectable.  
Reference video: 1.0Vp-p, 75Ω (composite video or black burst signal, with loop-through)

### Video outputs

Composite video: 1.0Vp-p, 75Ω (BNC) with loop-through  
S-Video: Y: 1.0Vp-p, 75Ω  
C: 0.3Vp-p, 75Ω (DIN 4-pin)  
R.G.B.: 0.7Vp-p, 75Ω (BNC × 3)\*  
Sync: 4.0Vp-p, 75Ω (BNC)  
Y/R-Y/B-Y: Y: 1.0Vp-p, 75Ω  
R-Y: 0.7Vp-p, 75Ω  
B-Y: 0.7Vp-p, 75Ω (BNC × 3)\*  
\* RGB or Y/R-Y/B-Y is selectable.

### Control signal input/output

RS-232C: RS-232C, D-sub 25-pin female for micro computer control  
External control: Mini jack

### Memory

Memory input: Odd field, Even field, Frame  
Frame memory: Y:R-Y:B-Y = 4:1:1

### Video

Picture effects: LAP DISSOLVE (transition time: 1.5s)  
MOSAIC  
POSTERIZATION  
MULTI-PICTURE (3 × 3)  
Gen lock: H phase: -0.5 to +1μs  
SC phase: 0° to 360°

Note: When the MPU-F100P is synchronized with the timing of the camera signal output of the DXC-930P/950P (in the low speed shutter mode), CCMC-90SMN cable is required.