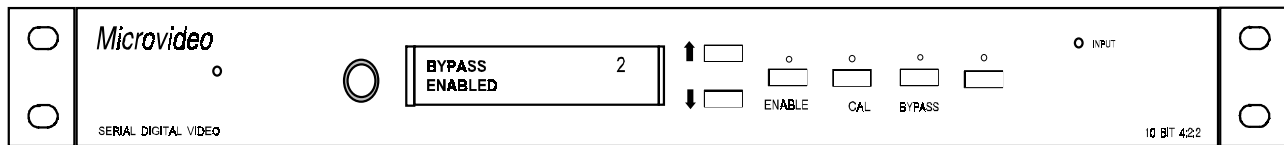


# Microvideo

## DIGITAL PROC AMP : NPROC-2

- Full control of Digital Video levels
- Full control of blanking
- Split Screen Mode
- Front Panel or Remote Control

The NPROC-2 offers a full set of controls for adjustment of video gains and levels. With its additional features it provides an ideal digital tool box for dealing with problems on incoming video feeds or preventing them on your outgoing tapes or broadcasts.



### Controls

#### Video Levels

Black level	Video gain	Chroma gain	Y gain
U gain	V gain	Y/C delay	Hue control
U pedestal	V pedestal		

#### Proc in a Window

The user can define a box on the screen (window). The Proc Amp can be set to only adjust the video levels within this box, making adjustments to a small section of the picture.

#### Cropping

Once the user has defined a window it is possible blank (set to black) all video outside this window. This can be used, for example, to create letter box effects or increase the line blanking to set it to analogue blanking spec.

#### Y/C Limiting

For clipping of below black and above white spikes.  
This may be fixed, restricting the luma (Y) to digital values between 16 and 235 and Chroma (C) to -112 to +112, equating to 0 and 100%.  
Alternatively the user can set their own limits.

#### VBI line blank

Individual lines in the VBI can be blanked. Useful to remove timecode or other VBI data.

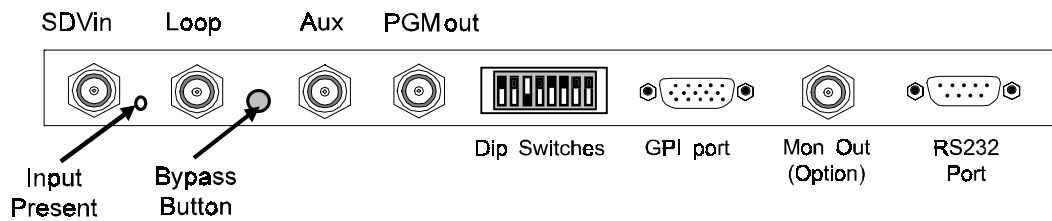
#### Memory Select

Recalls up to 16 different setups

# NPROC2 Datasheet

## Specifications

**Video In/Out** Serial Digital Video (270Mb/s) to SMPTE 259M (EBU Tech 3264E)  
Active Loop through of input is provided  
Power Fail bypass connects Input (SDVin) to the main Program Out (PGMout)  
This may be manually activated from the rear panel



**Processing** All video processing is done to 12 bit resolution.  
Embedded Audio is passed transparently through the unit, with the same delay as the video.  
The EDH (SMPTE RP165) is checked and recalculated on the output.

**Remote Control** GPI inputs allow activation of Correction, Blanking and Bypass  
RS232/RS422 is also provided for connection to our remote control panels or automation.

**Physical** 1U rack mounting unit, 240VAC (or 220,110) operation, Power cons. = 60W approx

**Part No.**            NPROC-2            SDV Proc Amp, MON o/p. 1U frame with front panel controls