

VIP 750

Broadcast Sync and Video processor

TTR

Sync and Video Processor

BROADCAST VIDEO PROCESSOR

The VIP750 Sync and Video Processor was originally designed for use with Cable TV Head Ends, but it has a wide range of other applications. In the case of Cable TV Head Ends, the signals from satellite channels arriving at the Head End can vary in amplitude, and in quality generally, for a number of reasons. In particular the sync pulses can be distorted and low amplitude, which could adversely affect the performance of "downstream" equipment.

To prevent this type of problem the satellite signal is fed via the VIP750, which locks on to the signal, "blanks" the original sync pulses and replaces them with regenerated and correctly shaped pulses. The VIP750 also provides separate control of video amplitude, sync amplitude and HF response.

A relay by-pass circuit is incorporated, which is activated in the event of power failure. There are three separate Sync and Video Processors per VIP750 card. The card can be housed in a 1 U 19" rack unit, accommodating up to three cards, or in a 3U rack unit accommodating up to 14 cards and providing a possible total of 42 channels.

Features

- Three separate channels
- Control of sync amplitude, video amplitude and HF response
- Each channel locks to its video input
- Relay by-pass

Specifications

	<ul style="list-style-type: none">• Input Impedance 75ohm• Output Impedance 75ohm• Input return loss >36dB to 5.5MHz• Output return loss >34dB to 5.5MHz• Frequency response ± 0.02dB to 6MHz• Differential Gain < 0.1%• Differential Phase < 0.1• K rating < 0.5%K• Hum & noise < -76dB rms weighted
OUTPUTS	<ul style="list-style-type: none">• 2 off 1V into 75ohm outputs per channel (one via relay by-pass)
POWER	<ul style="list-style-type: none">• 98-125V or 198-250V (120VA nominal)
CASE	<ul style="list-style-type: none">• Width 19" rack mounting• Height 1U (44mm) or 3U (134mm)• Depth 410mm including rear connectors• Weight 5 Kg or 12 Kg (packed)
CONNECTOR TYPES	<ul style="list-style-type: none">• Video BNC• Power (mating supplied) IEC



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