

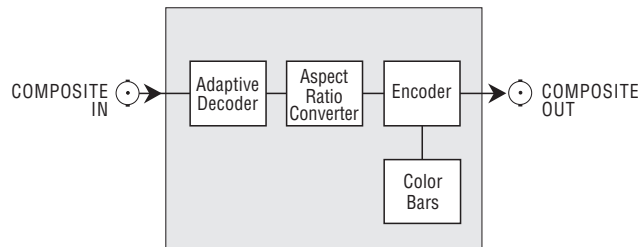
# ARC-371p NTSC/PAL/SECAM Aspect Ratio Converter



The ARC-371p is a miniature composite aspect ratio converter which automatically detects NTSC, PAL and SECAM standards and provides a composite output signal. Operators can choose 16:9 to 4:3 or 4:3 to 16:9 conversion, or convert standards such as:

- NTSC to/from PAL-M,
- PAL to/from PAL-N,
- SECAM to PAL or PAL-N.

The ARC-371p offers 2-line luma and chroma filters with an adaptive luma comb filter for NTSC and a color bars generator.



ARC-371p Functional Block Diagram

## ■ Technical Specifications

### INPUT

**SIGNAL:** NTSC (525/60) SMPTE 170M or  
PAL (625/50) ITU-R  
BT.470-6 or  
PAL-M (525/60) ITU-R  
BT.470-6 or  
PAL-N (625/50) ITU-R  
BT.470-6 or  
SECAM (625/50) ITU-R  
BT.470-6

**ASPECT RATIO:** 16:9 or 4:3

**CONNECTOR:** 75 ohm BNC

### OUTPUT

**SIGNAL:** NTSC, PAL, PAL-M or  
PAL-N: 1.0 V p-p nominal

**ASPECT RATIO:** 16:9 or 4:3

**CONNECTOR:** 75 ohm BNC

### PROCESSING PERFORMANCE

**SIGNAL PATH:** 8 bits

**QUANTIZATION:** 10 bits

**FREQ. RESPONSE:** ±0.5 dB to 4.2 MHz

### PROCESSING

**DELAY:** 150 µs maximum

**TEST SIGNAL:** 75 % color bars with  
100 % white

### ELECTRICAL

**VOLTAGE:** 5 VDC

**POWER:** 3.3 W

## ■ Ordering Information

ARC-371p NTSC/PAL/SECAM Aspect Ratio Converter

### Accessories

LKS-WSU

Power Supply For 110 V or 220 V

pL-Tray

40 W Rack Mounted Tray for up to 10 picoLinks

pico-PA

12 V to 5 V Power Adaptor