

# Alchemist Platinum Ph.C

## Motion Compensated Standards Converter with Ph.C

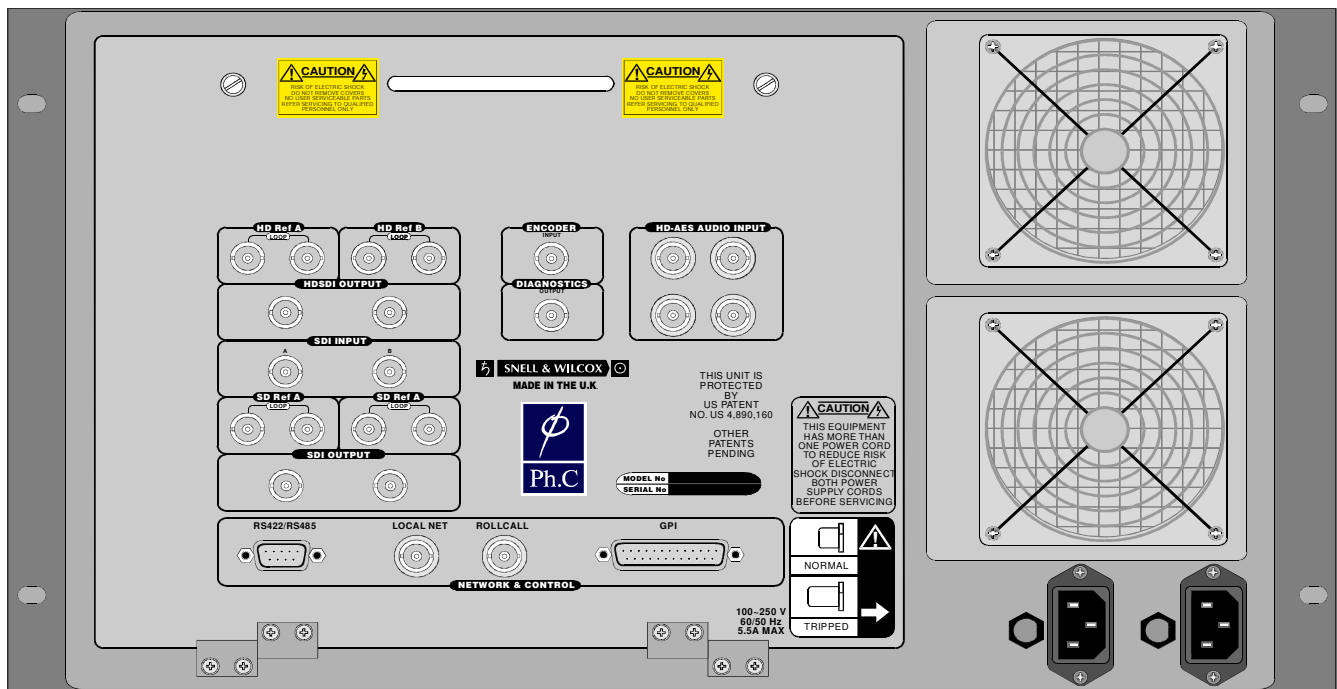
The Alchemist Platinum Ph.C motion-compensated standards converter delivers the precision standards conversion performance only possible from using phase correlation motion estimation technology. Transparent conversion is achieved using a 3-stage 46 point temporal spatial filter. Internal processing is performed at 4:4:4 resolution and at a minimum of 12-bit precision.

Alchemist Platinum Ph.C provides the most advanced standards conversion between standard definition formats 525/59.94 & 625/50. High definition outputs are provided using a single step motion compensated upconversion process to 1080i, 1035i & 720p high definition standards.

With the DEFTplus option the Alchemist offers optimal conversion of mixed media inputs.

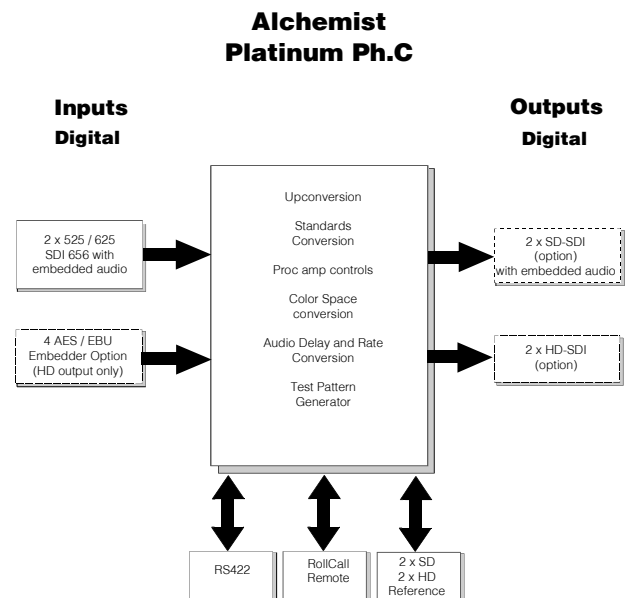
With the "Video to Film" option the Alchemist offers conversion of 50Hz or 60Hz interlaced formats to a progressive frame based output.





## Features

- The ultimate in standards conversion quality
- Motion-compensated conversion using Ph.C vectors – the most advanced motion estimation technique available
- 12-bit 4:4:4, internal processing
- Excellent signal to noise ratio >72dB
- Proprietary 46-point interpolation, delivering maximum vertical and diagonal resolution
- CleanCut™ interpolation, resulting in no smearing across scene changes
- Genlock, 2 x SDI references (Black Burst), 2 x HD references (Black Burst or Tri-Sync)
- Embedded audio, rate converted and delayed
- Advanced self-test diagnostics software
- Full RollCall™ remote control (including RollTrack™ for external audio delays)
- Self diagnostic test routine
- Options:
  - Standard Definition (2 x SDI) outputs
  - High Definition (2 x HD-SDI) outputs
  - DEFTplus
  - P-film
  - "Video to Film"
  - Dual redundant PSU's)



## Product List

**Base Model** Alchemist Platinum Ph.C Motion Compensated Standards Converter. (Digital In/Out), 6RU frame

**Option:** HD Output for Upconversion

**Option:** SD Output

**Option:** Video to film (24p)

**Option:** DEFT Plus

**Option:** P-film

**Option:** Analog I/O Advanced

**Option:** Analog I/O Standard

**Option:** Redundant PSU

See separate sheet for full technical profile and product list – or contact your local sales office.