

# Mpeg-Eye PCR II



1704, Lucky Commercial Centre  
103-109 Des Voeux Road West  
Sheung Wan, Hong Kong  
Tel: +852 2850 8383 Fax: +852 2850 8182

## PCR Correction

### Major Benefits



- ✓ Auto compensation for PCR change
- ✓ Lip-sync. correction
- ✓ Mpeg 2 PES conditioning, eliminates artefacts
- ✓ Eliminates freeze frames
- ✓ Eliminates jitters
- ✓ Eliminates picture breakup
- ✓ Real time in line solution

MPEG-EYE PCR (= Program Clock Reference,

- Time stamp encapsulated in an MPEG-2 stream, typically found in a TS packet)

It removes the Jitter almost completely from an MPEG 2 ASI PES

(Program Elementary Stream) It helps to eliminate:

- Freeze frames
- Jitters
- Black
- Picture Breakup

It is compatible with Non-DVB Compliant signals, HD, Private data CA and wide range of encoders and encoding formats.

On a single ASI Mpeg 2 stream (188 or 204 auto detect byte), the Mpeg Interactive corrects excessive PCR jitter by re-stamping PCR packets using the internal 27MHz clock.

The unit is typically used in applications where manipulation of the original stream has been undertaken and picture break-up, (STB reset) is seen in a long, (20 to 60 min) repetitive cycles.

The MPEG-EYE PCR jitter corrector is a stand alone tool which conditions a single Mpeg 2 ASI PES removing the jitter almost completely, (average PCR jitter after conditioning is around 50ns).

It is sometimes necessary to "fine tune" PCR jitter reduction if the source signal has suffered particularly bad degradation. This is done by a series of filters in the firmware of the MPEG EYE PCR.

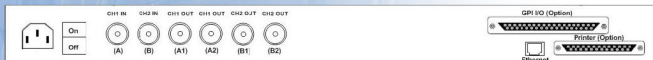


# Features

All details contained in this literature are believed to be correct at the time of printing however they are subject to change without prior notice and do not form part of any contract.

- ✓ Auto compensation for PCR
- ✓ Compatible with Non DVB compliant signals, HD, private data CA and a wide range of encoders and encoding formats
- ✓ Acts as transport stream layer alone
- ✓ Relay by-pass for inputs/outputs
- ✓ 50Mb ASI stream size
- ✓ 1RU Rack Frame or optional 3RU w/ 12 Cards max.

## Specifications



### Input Transport Stream

ASI Signal	188-204 byte auto select, MPEG 2 ASI Stream conforming to ISO/IEC 13818-1:1996 (E)
Connector	BNC
Max. Data Rate	50 Mb/sec standard
Number of PIDs Processed	16 PIDs total

### Output

Transflow Output	2 Outputs, 1st output protected by relay-bypass
Connector	BNC
Stream Output Data Rate	50Mb/sec, standard, upgrade to 200Mb/sec
PCR Correction Accuracy	50nS approx.

Physical	1U (44mm)
Width	19" Rack mount (484mm)
Depth	380 mm, (17" approx)
Weight	4KG / 8.8lbs (approx)
Power Supply	115 to 260V AC
Ethernet connection	RJ45
Operating Temp	1 °C to 40 °C, (34 °F to 104 °F)