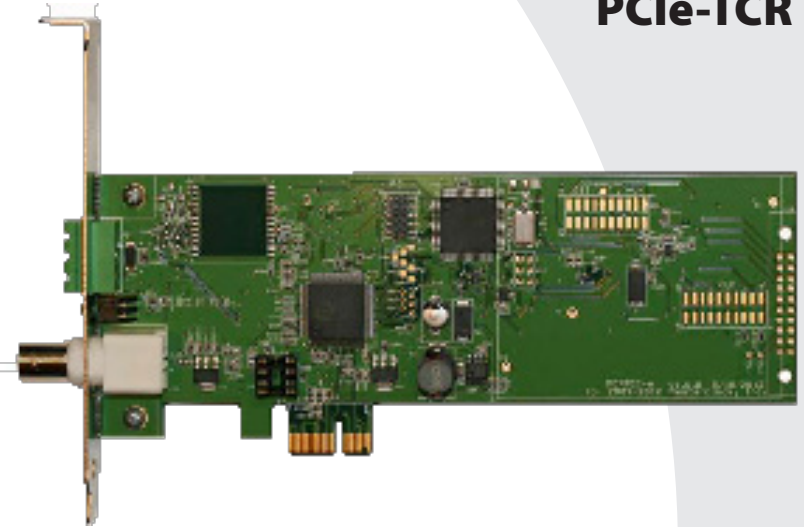


## PCIe-TCR

### FEATURES

- Synchronizes PC to  $\pm 2$  milliseconds of time code reference
- References IRIG-B, SMPTE, EBU time codes
- Automatic time code detection
- Balanced and unbalanced time code inputs
- Provides millisecond accuracy to Windows applications
- Microsecond accuracy achievable through API development
- Fully configurable time zone and daylight saving time offsets
- PCIe revision 2.0 – slot compatible X1 through X16
- LED status indicator



### SPECIFICATIONS

#### Time Code Inputs

- > SMPTE (30/25/25 fps - non-drop frame only) to Leitch Date Encoding Standard
- > IRIG-B pulse width coded (unmodulated) DC, IEEE 1344 standard
- > IRIG-B(1) 1 kHz Amplitude Modulated, IEEE 1344 standard

#### Holdover Accuracy

- > With loss of power or time reference synchronization, device reverts to an internal battery-backed real-time clock chip with accuracy of  $\pm 1$ min/year

#### Software

- > Runs under Windows Server 2003/2008 R2/2012 R2, Win XP 32 bit, Win 7/8/10 32 & 64 bit
- > API software development kit and documentation is provided for designers

#### Physical

- > Length: 6.6 in (167.6 mm), Height: 2.712 in (68.8 mm)
- > Low profile card and bracket standard
- > Full height bracket included

#### Operating Parameters

- > Temperature: 0 to 60 °C

#### Compliance

- > FCC, CE Marked, ROHS, ANSI

#### High-stability Oscillator Options

- > HSO-1 with TCXO provides accuracy of  $\pm 3$  seconds/year
- > HSO-2 with OCXO provides typical stability of  $\pm 250$ ms/year after 30 days of aging

Freq = 10 Mhz	HSO-1	HSO-2
Oscillator Type	TCXO	OCXO
Freq. Stability	$\pm 2.5 \times 10^{-6}$	$\pm 5 \times 10^{-9}$
Aging Stability per yr	$\pm 1 \times 10^{-6}$	$\pm 1 \times 10^{-8}$
Drift per year	$\pm 3$ seconds	$\pm 0.3$ seconds

Authorized Distributor

5-YEAR LIMITED PARTS & LABOR WARRANTY

MADE IN THE USA



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