

Timecode Reader/Generator Module

For use with Time & Frequency Solutions' M210 and M211 Modular Timing Systems. This innovative module has the dual capability of reading timecode inputs and generating timecode outputs. Data processing is achieved through an on-board CPU.



Features

- Reads and generates a selection of popular timecodes
- Timecode and pulsed output (1pps) included as standard
- Timecode output modulated 1kHz carrier or DC timecode
- Output failure detection on all outputs
- Global module failure indicator

Key Benefits

Output Options

Option 1:

- 600 ohm transformer isolated outputs
- Transformer coupled maximum output levels
 1kHz: 6Vpp into 600R / 4Vpp into 50R

Option 2:

- Pulsed output at 1kpps

Timecode Options [Input & Output]

- IRIG-B
- AFNOR
- 2137
- NASA36

Other pulsed options available – please contact us

Timecode Reader Generator Module Specifications

Input (Timecode Reader)

Input (timecode reader)

- Timecode input with error bypass [BNC connector]
- Reads modulated IRIG-B, AFNOR, 2137, NASA36 timecodes
- Isolated transformer coupled input
- Max input level 3Vpp, min input 30mVpp [AGC 40db]
- Accuracy: 10 microseconds

Outputs

- **Timecode Output:** Modulated 1kHz carrier or DC timecode output [BNC]. Amplitude adjustable from 0 to 20Vpp from 50R
- **Pulsed output:** 1pps output included as standard [BNC]
- Both DC timecode output and pulsed output is 0 to 50v from 50R (TTL compatible into 50R terminated load)
- Timing stability accuracy and holdover of outputs are as per host system.
- Jitter of modulated timecode output carrier <1%
- Output failure detection on all outputs.

Ordering Information

Please quote part number when ordering: 0210KG000D

Timecode Formats

Timecodes available (both read & generate) include:

- IRIG B
- AFNOR
- 2137
- NASA36

Each timecode is selectable by the host equipment front panel keyboard. Stored in non-volatile memory.

For other timecodes, please contact our sales team.

Environment (Operation & Storage)

Temperature: 0°C to +40°C

Humidity: Up to 95% RH (non-condensing)

EMC: CE Compliant