

Time Code Generator

The **Time Code Generator** option for the GMR Series generates SMPTE or IRIG-B time codes, as well as IRIG-A and IRIG-E waveforms. The TCG option is software controlled and locks to GPS satellites, Time Code Reader, NTP Client, and/or High-Stability Oscillator.

| | SMPTE 12M | IRIG-B0 (DCLS, PWM) | IRIG-B1 (AM) | IRIG-A (DCLS) | IRIG-A (AM) | IRIG-E (DCLS) | IRIG-E (AM) | |
|--|--|---|-------------------|------------------|-------------------|------------------|--------------------|------|
| Rate | 24, 25, 30 fps NDF and 29.97 DF | 1kHz, 1mS | 1kHz, 1mS | 10kHz, 0.1mS | 10kHz, 0.1mS | 100Hz, 10mS | 100Hz, 10mS | |
| Output Level @ 50 Ω | 4 Vpp (16 dBm) | 5 Vp (25 dBm) | 5 Vpp (18 dBm) | 5 Vp (25 dBm) | 5 Vpp (18 dBm) | 5 Vp (25 dBm) | 5 Vpp (18 dBm5) | |
| Mark to Space Ratio | N/A | N/A | 3.3:1 | N/A | 3.3:1 | N/A | 3.3:1 | |
| Gain | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Number of Inputs (SE: Single Ended - Unbalanced, Differential - Balanced) | 1 SE, 1 DIFF | 1 SE, 1 DIFF | 1 SE, 1 DIFF | 1 SE, 1 DIFF | 1 SE, 1 DIFF | 1 SE, 1 DIFF | 1 SE, 1 DIFF | |
| Type | NDF | DCLS | AM 1kHz | DCLS | AM 10kHz | DCLS | AM 100Hz | |
| Encoding | None, Leitch Date, SMPTE 309M | None or IEEE 1344 year or IRIG STD 200-04 | | | | | | |
| IRIG Coded Expression IRIG STD 200-04 | 0 BCD _{TOY} , CF, SBS | N/A | B000 | B120 | A000 | A130 | E000 | E110 |
| | 1 BCD _{TOY} , CF | N/A | B001 | B121 | A001 | A131 | E001 | E111 |
| | 2 BCD _{TOY} | N/A | B002 | B122 | A002 | A132 | E002 | E112 |
| | 3 BCD _{TOY} , SBS | N/A | B003 | B123 | A003 | A133 | E003 | E113 |
| | 4 BCD _{TOY} , BCD _{YEAR} , CF, SBS (IEEE-1344 - 1995 Encoding) | N/A | B004 | B124 | A004 | A134 | E004 | E114 |
| | 5 BCD _{TOY} , BCD _{YEAR} , CF | N/A | B005 | B125 | A005 | A135 | E005 | E115 |
| | 6 BCD _{TOY} , BCD _{YEAR} | N/A | B006 | B126 | A006 | A136 | E006 | E116 |
| | 7 BCD _{TOY} , BCD _{YEAR} , SBS | N/A | B007 | B127 | A007 | A137 | E007 | E117 |

Authorized Distributor

5-YEAR LIMITED PARTS & LABOR WARRANTY

MADE IN THE USA



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