



Meinberg Radio Clocks

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IMS-VSG: Video-Sync Generator

The VSG180 is a video signal reference for Studio Equipment with four BNC outputs. The Module generates 1x bi-level sync (Black Burst), 1x Tri-Level Sync, 1x Sync Signals (LTC - Linear Time Code) and 1x DARS (Digital Audio Reference Signal). The LANTIME Web Interface can be used for output signal configuration and to query the state of the VSG.

Functionality

The board is synchronized by an external 10 MHz signal. It generates configurable video signals in different formats. The generated signals have a phase reference to 1PPS.

Important Note

This product is no longer available and may have been replaced by a newer product. We will, of course, continue to provide support for units that have already been purchased and are still in use. Please contact our [1][Sales Department](#) for further details.

This product has been discontinued and has been replaced with: [2]

Key Features

- Four BNC outputs with configurable video formats and Sync Signals Out 1: HD-Syncs (Tri-Level Sync) Out 2: SD-Syncs (Bi-Level-Sync) Out 3: LTC 25 fps (Linear Time Code) Out 4: DARS (Digital Audio Reference Signal)
- Four LEDs: Signal status of module and outputs
- Supported Video Formats: PAL (SMPTE259M/ITU-R BT.470-6) NTSC (SMPTE170M/ITU-R BT.470-7) 720p/50Hz (SMPTE296M3) 1080i/25Hz (SMPTE274M6) 720p/59,94Hz (SMPTE296M1) 1080i/29,97Hz (SMPTE274M7) Supported Time Code Formats: VITC (SMPTE12M-1/SMPTE ST309M) with Time of Day and Timezone informations and selectable lines for insertion Digital Audio Reference Signal (DARS) AES11-2003: Resolution: 24bits Sample Frequency: 48kHz Format: professionell

Characteristics

Status Indicators	ST: Status of VSG180 In: Status of reference input A: Status HD Out 1 B: Status SD Out 2
Electrical Connectors	96-pin DIN 41612 connector
BNC Connectors	 * 2x BNC female, unbalanced, 300 mVpp @ 75
Current Draw	5 V \pm 5%, 250 mA
Supported Temperature	0 ... 55°C
Supported Humidity	Max. 85 % (non-condensing) at 40 °C
Warranty	Three-year warranty
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.

Manual

There is no online manual available for this product.: [3][Contact us](#)

Links:

[1] <mailto:sales@meinberg.de>

[2] https://www.meinbergglobal.com/english/products/vsg181_h.htm

[3] <mailto:info@meinberg.de>