

1330 SERIES

IRIG B to video transcoder

Features

■ From an IRIG B source time , the equipment realize two main functions :

- Video signal generation, allowing time display. The time is superimposed on the composite video signal.
- LTC & VITC time code generation for the recording of time in the video frames.

■ This equipment is very easy to operate, the front face holds only few elements :

- "On" LED for power supply ready.
- A LED indicating the IRIG B code presence and the decoding process ,
- A LED indicating the time code generation,
- A switch and two push button in order to set the message position on the screen

■ TIME FOR INLAYING :

- The equipment receives an IRIGB time code used to compute the time reference.
- In order to be synchronized with the external video equipment, an input video signal is necessary. The frame & line synchros are extracted from this video input signal.
- The equipment generates a black picture with a superimposed white text.
- The message format is :
for example January 11 Th , 12 hours 15 minutes 35 seconds
: **011 12:15:35:00**
The last two digits show the frame number between 00 & 24 (25 pictures/s for the video format)

■ TIME CODE :

- In the same time of the message, the equipment generates the LTC et VITC "TIME CODE" signals .
- These signals include the same information than the message : hour, minute, second et frame number, the day (Day of the year) is coded on the user's bits.

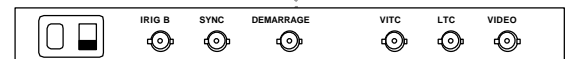
■ START :

- The time coming from the IRIGB is set as a reference on the activation of the starting order (hit-or-miss input on the rear face)

The time is updated using the frame top of the synchro signal in order to keep the time coherence.



Front face



Rear face

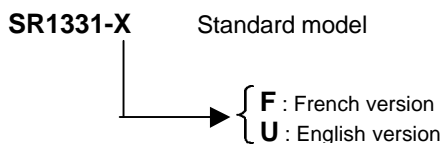
SR1330

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Specifications

- The input/outputs connectors are located on the rear face of the equipment.
- IRIGB analog input signal, 1kHz amplitude modulated (1/3,1/1) sine-wave carrier. 0.5 to 6V level, 600 Ohms.
- Synchro input : composite video signal 1Vp-p 75 Ohms, negative synchro.
- Start input : closed contact or 5V to 12 V continuous tension
- LTC time code output : +4dBu 600 Ohms.
- VITC time code output : 2.2 Vp-p 600 Ohms
- Video output : composite video 1Vp-p 75 Ohms, negative synchro, white text on black picture.
- Power supply : 230 V, CEE standard connector, with fuse, filter & On/Off switch.
- Dimensions : 19 " rack , 1U (45 mm), depth 300 mm.
483 x 45 x 340 mm.
- Weight : 5 Kg
- Consumption : 30 W
- MTBF : 58 000 h

Ordering information



MICROSYSTEMES
Time-frequency & Networks

: 33 - 5 62 20 17 80
Fax: 33 - 5 62 20 15 04
www.microsystemes.com