

UP30 Series

TELEVISION INSTRUMENTS

STILL PICTURE GENERATOR



General

These two units are digital still picture generators designed as an integrated signal source for use in the production of televisions, VCRs, CRTs and other equipment in NTSC-M format (UP301) or PAL-B, G, D, I/K format (UP302).

Features

- Since these units have been designed as devices for integrated signal sources, each unit outputs only 1 signal. Seven models are available in each series: The UP252 series consists of the UP252A through the UP252G, and the UP253 series consists of the UP253A through the UP253G. The user can select the models that output the required still pictures.
- Equipped with Genlock function.

Optional racks

- Output signals
 - Number of outputs 2
 - Connector type BNC, 75 Ω
 - Output signal level (UP301) (UP302)
 - Sync signal 286 mVp-p, ±3% 300 mVp-p, ±3%
 - Color burst signal 286 mVp-p, ±3% 300 mVp-p, ±3%
 - Sync signal
 - Line frequency 15.73 kHz 15.625 kHz
 - Field frequency 59.94 Hz 50.0 Hz
 - Subcarrier frequency accuracy 3.579545 MHz, ±5 Hz 4.433618 MHz, ±5 Hz
 - Genlock function VBS (composite video signal) or black burst signal is required as an external sync signal.
 - Sync signal input level 286 mVp-p, ±6 dB 300 mVp-p, ±6 dB
 - Color burst signal input level 286 mVp-p, ±6 dB 300 mVp-p, ±6 dB
- Note: Genlock status is automatically activated when these units input an external sync signal (VBS or BB).

- Sampling frequency (UP301) (UP302)
14.31818 MHz 14.1875 MHz

- Digital word length 8 bits

- General specifications
Power supply AC 90 to 250 V, 50/60 Hz
Power consumption Approx. 30 VA

- Operating temperature range 0°C to 40°C

- Relative humidity 20% to 90%RH (non-dewing)

- Dimensions 426(W) x 49(H) x 510(D) mm

- Weight Approx. 8 kg

- Accessories Power cord x 1

- User's manual x 1

- Available models and their output signals (UP301, UP302)

Model	Output
UP301A/UP302A	Skin-color chart
UP301B/UP302B	Woman wearing a hair band
UP301C/UP302C	Weather forecast
UP301D/UP302D	Swiss mountain village
UP301E/UP302E	Tulips
UP301F/UP302F	Fruits
UP301G/UP302G	Desk