

PS11AX

Broadcasting Network Checker

General

The PS11AX is a portable test signal generator, whose measurement functions for broadband relay and material transmission are all incorporated in a compact case.

It supports HD and SD multi-format and can output color bar signals, pathological signals and lip sync test signals. In addition, it is equipped with the freeze check function, as

well as a function that allows you to check audio information. It also allows for superposition of the characters (logo and telop) that indicate sending and receiving stations or a program material name, etc.

Also, it can output sound channel information as electronic sounds, which allows you to check each sound channel easily at transmitting and receiving stations.

This product is available for a wide range of applications: e.g., it displays its greatest force in relay and material transmission sites using the HD material recording + sound multi-channel, which is becoming a mainstream technique for world-class events.



Features

Compact unit, light and portable.

Supports DC and battery drive systems. (option)

Supports both HD/SD multi format.

Supports SDI output (two system) + embedded audio (eight channels).

Equipped with four systems for AES/EBU audio outputs.

Equipped with the GENLOCK function.

Supports logo superposition and simple telop functions.

Can output the sound channel ID by using electronic sounds. It can also send signals in sequence according to the settings.

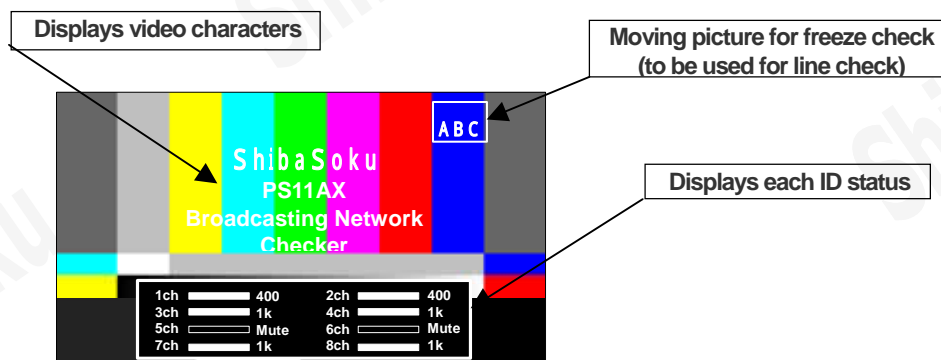
Equipped with the freeze check and audio information superposition functions.

Generates lip sync test signal patterns.

Generates Monoscope Pattern and Natural Drawing Pictures (option).

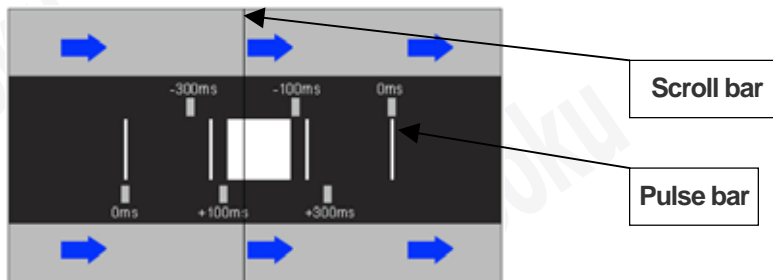
Supports sound output for EBU Tech 3304 Multichannel Audio Line-up Tone.

Example for test pattern



Example for lip sync test pattern

Issues a test sound when the scan bar overlaps pulse bars that are set at regular intervals.



Specifications

Output formats

525i/59.94, 625i/50, 1080i/59.94, 1080i/50,
720p/59.94, 720p/50

Input signals

External reference signal BNC connector, 75ohm, 1 system
HDTV Tri-level sync signal or BB signal
SDTV Composite sync signal or BB signal

Output signals

HDTV serial digital signal (SDI)
2 systems (To switch to SDTV)
SDTV serial digital signal (SDI)
2 systems (To switch to HDTV)

Embedded audio signal

HDTV 24bit, 48kHz, 8 ch
SDTV 24bit, 48kHz, 8 ch

AES/EBU digital audio signal

4 systems, BNC connector, 75 ohm

Test pattern signals

On HDTV

ARIB color bar, SMPTE color bar, FULL color bar,
Black signal, Pathological, Optional patterns, or
BMP data

On SDTV

SMPTE color bar, FULL color bar, Black signal,
Pathological, Optional patterns, or BMP data

Test Audio signals

100 Hz, 400 Hz, 1 kHz, 3 kHz, 8 kHz, 12 kHz, SWEEP(1Hz
to 15kHz), MUTE

Options

PS11AX001	Battery Adopter
PS11AX002	Memory Board
PS11AX003	CF Card Memory
PS11AX004	Package Case
PS11AX005	Jig for Rack
PS11AX010	Monoscope Pattern

General specifications

Operate temperature

0 to 40 degrees C

Relative humidity

25 to 90% RH during
(no condensation)

Power supply voltage

DC11 to 17 V

Dimensions

210 (W)x44 (H)x230 (D) mm

Weight

3 kg or less



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