50th Anniversary

☐ **12 bits natural image for subjectivity evaluation**

21 kinds of lineups of a natural image for subjectivity evaluation of 12 bits correspondence newly. (except PC format)

New

TG45AX
Test Signal Generator

☐ **It prepares for the natural image as well the TG35 series**

The attachment software of TG45AX is able to convert TG35 format to TG45AX format of the natural image.
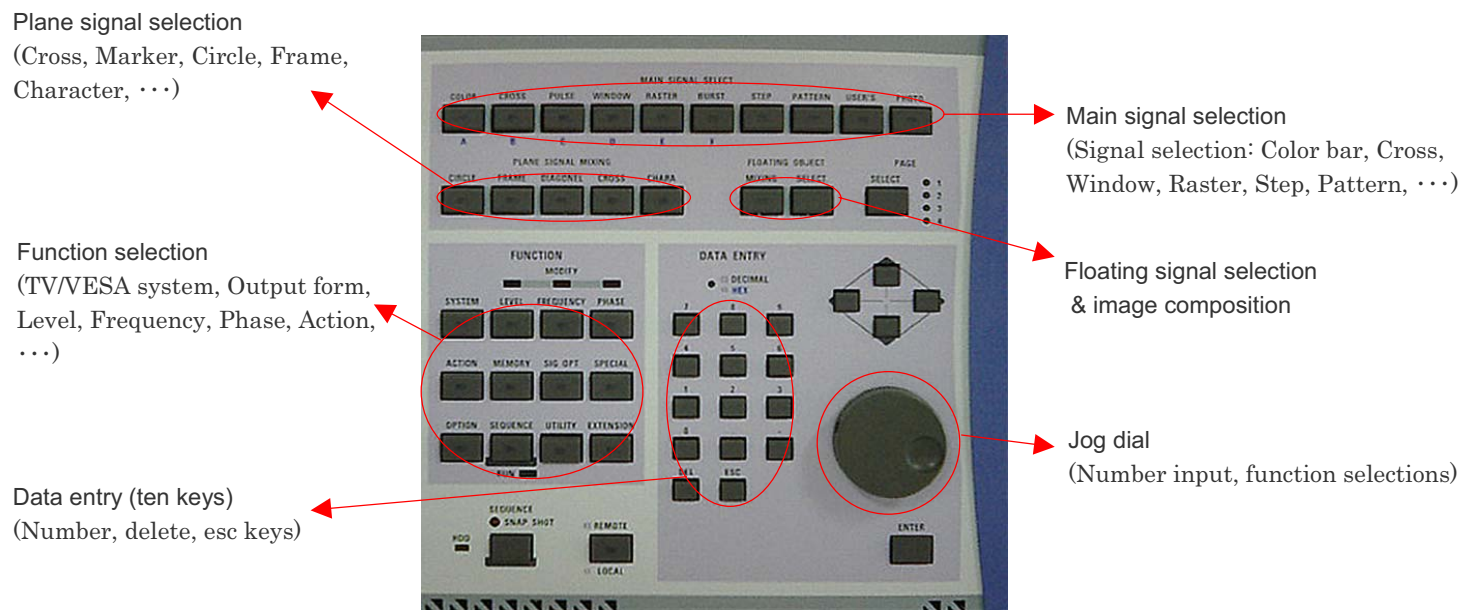
ShibaSoku

ShibaSoku Co.,Ltd.

Measures infinite possibilities by accumulative experience through a half century.

Features

☐ **Multi-format correspondence**

  SDTV: NTSC／NTSC4.43 / PAL / PAL-M・N / PAL-60 / 525p / 625p

  HDTV: 1035i / 720p / 1080i / 1080p etc. Total 26 formats (BTA S-001 / SMPTE 274M・RP211・296M)

  VESA: The analog PC display signal output which was based on Ver. 1.0, Rev. 0.8.

☐ **Abundant output form**

  Analog output: Y / Pb /Pr, G / B / R, Y / C ⇔ VBS（selectable）

  Analog PC display signal output: 15 pins Dsub connector

  Parallel digital output: G / B / R 12 bits, dot clock: single 10 to 100 MHz, Dual: 20 to 200 MHz

  CLOCK output & USER PORT (trigger signal output) equipment

  Drive signal: SYNC / BB, HD, VD, FP, C.FRAME

  SD / HD-SDI output: TG45AX001（option）

  HDMI output: Ver. 1.1 / CEA-861B 34 formats, TG45AX003（option）

☐ **12 bits test patterns**

  Supports more than 50 kinds of test patterns, or more than 20 kinds of natural images & resolution charts
  for subjectivity evaluation

☐ **Various parameters variable function**

  Level variable: Level setting every each analog output setting 0% to 200% / output channel

  Frequency variable: Line frequency, field frequency, line number, dot clock frequency

  Phase variable: Line numbers perpendicular to signal width, phase, PC synchronization in the same period the
  number of the level dots

  BURST signal position width variable (only as for SDTV)

  Each signal option: WINDOW signal width, phase, level setting
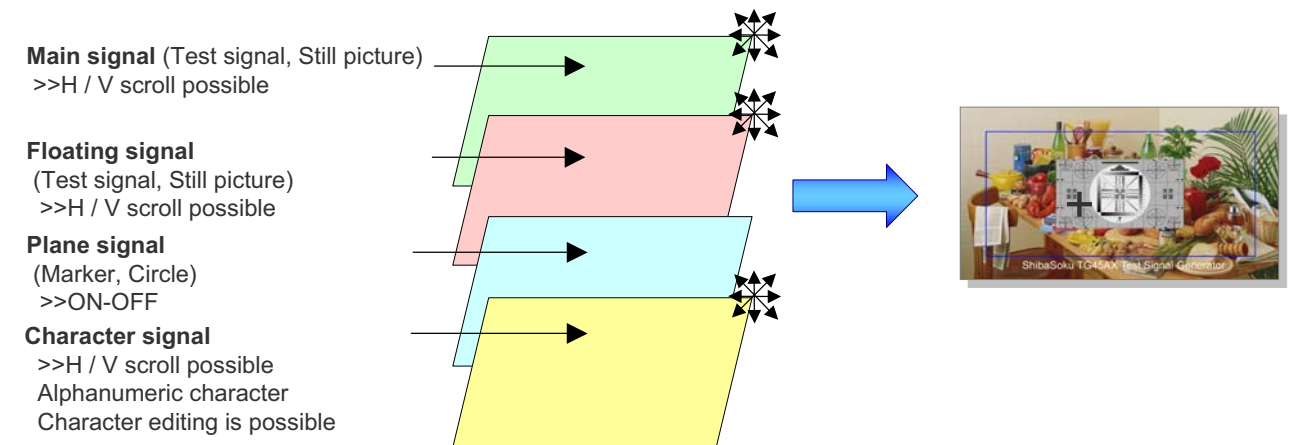
Control panel view

Plane signal selection
(Cross, Marker, Circle, Frame,
Character, ・・・)

Function selection
(TV/VESA system, Output form,
Level, Frequency, Phase, Action,
・・・)

Data entry (ten keys)
(Number, delete, esc keys)

Main signal selection
(Signal selection: Color bar, Cross,
Window, Raster, Step, Pattern, ・・・)

Floating signal selection
 & image composition

Jog dial
(Number input, function selections)

General Specifications

Operating temperature range: 5 degrees C to 35 degrees C

Relative humidity: 25% to 90% RH (non-dewing)

Power supply: AC90 to 130 V/180 to 250 V, 50/60 Hz

Power consumption: Approx. 500 VA

Dimensions: 426 (W) x 199 (H) x 510 (D) mm

Weight: Approx. 20 kg

Accessories: Power code (1 pc), 3P-2P conversion connector (1 pc), Operating manual (1 pc)
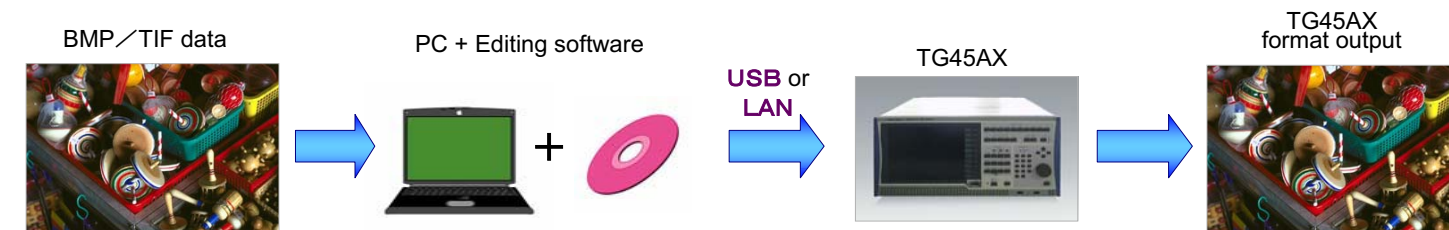
New functions

☐ **Image composition & scroll function**

Main signal (Test signal, Still picture)
 >>H / V scroll possible

Floating signal
 (Test signal, Still picture)
 >>H / V scroll possible

Plane signal
 (Marker, Circle)
 >>ON-OFF

Character signal
 >>H / V scroll possible
 Alphanumeric character
 Character editing is possible

☐ **It converts image data owned by a user into a TG45AX format and output**

  It converts BMP / TIF data into a TG45AX format by attached editing software and can output it. User original
  picture evaluation effective inflection of image assets is possible.

BMP／TIF data

PC + Editing software

USB or LAN

TG45AX

TG45AX
format output

☐ **Spikes-shaped noise excellence and a para-H / V Sag addition function**

  Margin characteristic evaluation such as analog input departments is enabled by spikes noise, H / V sag addition
  signal quantitatively a level timing if variable.

Spikes-shaped noise add-on function

H / V Sag add-on function

Standards

Spikes

+

Addition

Standards

H Sag

1 H

+

Addition