Color Pattern Generators

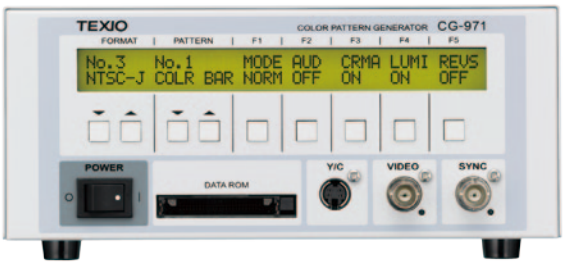
CG-971

Color pattern Generator

- Analog video signal/Audio signal output
- Conformity with NTSC,PAL,PAL-M and TNSC-4.43
- Selectable sync level
- Available for various setting and output patterns by system file
- Each staircase level in step pattern settable by voltage
- Natural image and Monoscope pattern output
- Max. 24 pattern installation
- Auto sequence mode
- GP-IB, RS-232C, and Digital IF (TTL) for remote control
- Half rack size of 19 inch EIA 2U

CG-971

NTSC / PAL



GP-IB STANDARD RS-232C STANDARD

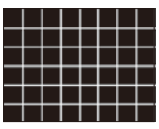
Specifications

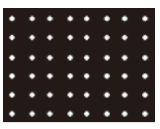
Image		
Basic patterns	Raster, window, cross hatch, dot, cross & dot, checker, stripes (vertical / horizontal), step (division input / level input), character, color bar (split / SPPTE), and monoscope	
Natural Image data	712 X 574 dots, 1-,4-,8-,24- and 32-bit color BMP file format (Incompatible with RLE compression.)	
Output functions	Reversing, luminance component ON/OFF and chrominance component ON/OFF functions	
Image formats	NTSC-M, NTSC-J, NTSC-4.43, PAL-B/D/G/H/I, PAL-M	
Video output (CVBS)	75Ω, BNC connector. 1.0V(p-p) : NTSC-M/J/4.43, PAL-M (0.714+0.286V(p-p)), PAL-B/D/G/H/I (0.7+0.3V(p-p)) Setup level : 7.5% NTSC-M, and PAL-M only, 0% Others	
S connector (Y/C)	Y+S (SYNC to 100% white) : 1.0V(p-p) (Differences according to the formats are equivalent to those of CVBS) Accuracy = larger value of ±5% and ±20mV, 75Ω C (burst) : 300mV(p-p), Accuracy =±5%, 75Ω	
RGB output (Not for PC use)	700mV(p-p), Accuracy = ±5%, 75Ω BNC connector	
SYNC output	Front : V-SYNC/C-SYNC switching, TTL output, BNC connector, polarity may be switched by system file setting Rear H.V sync output : TTL output, BNC connector, polarity may be changed by system file setting	
Audio output		
Audio level	0.1V to 2.0V (Rand L may be set independently in 0.1V steps), Accuracy = ±10%(with no termination at full scale)	
Audio frequency	100Hz to 20kHz (R and L may be set independently in 100Hz steps), Accuracy = ±10% (open end at full scale)	
Outpt connectors	RCA pin jacks, 2-channel (stereo), unbalance, 600Ω	
Others		
Sequence	24 steps max. May be changed up to maximum of 60 seconds in units of 1 second per step. Automatic and step operation are selectable.	
Compatible CF cards	FAT12, FAT16 and FAT32 only. Not compatible with NTFS. Capacity is 2GB or less. ＊ We use 2GB or smaller-capacity CF cards made by SAN DISK CO., LTD. To check operations. It will not warrant the performance if the user uses other CF cards.	
LCD display	2-line, 40-digit LCD (with LED backlight)	
External control	RS-232C, GP-IB and digital interface (TTL level, parallel) are selectable.	
Accessories	Instruction manual, power cord, and application disc ＊ Setup application software : Compatible with MS Windows 98/ME and Windows 2000/XP/VISTA ＊ CF card is not included as standard equipment	
Power source	AC 100V to 240V, 50Hz or 60Hz	
Temp. / humid range	Operating	0°C to 40°C RH85% or less (No dew condensations)
	Spec.	10°C to 35°C RH85% or less
Dimension and Weight	210(W)×98(H)×315(D)mm Approx. 2.5kg	

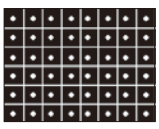
Examples of signal patterns

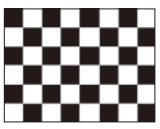
■Raster
(Red, Green, blue, Yellow, Magenta, Cyan, White 20/50/75/100%)

■Window


■Cross hatch


■Dot


■Cross & Dot


■Checker

■Stripes
(Vertical/Horizontal)

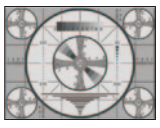
■Step
(Division/Level input)

■Ramp

■Character

■Color bar
(75/100% sprit)

■Color bar (SMPTE)


■Monoscope

■Natural image data