

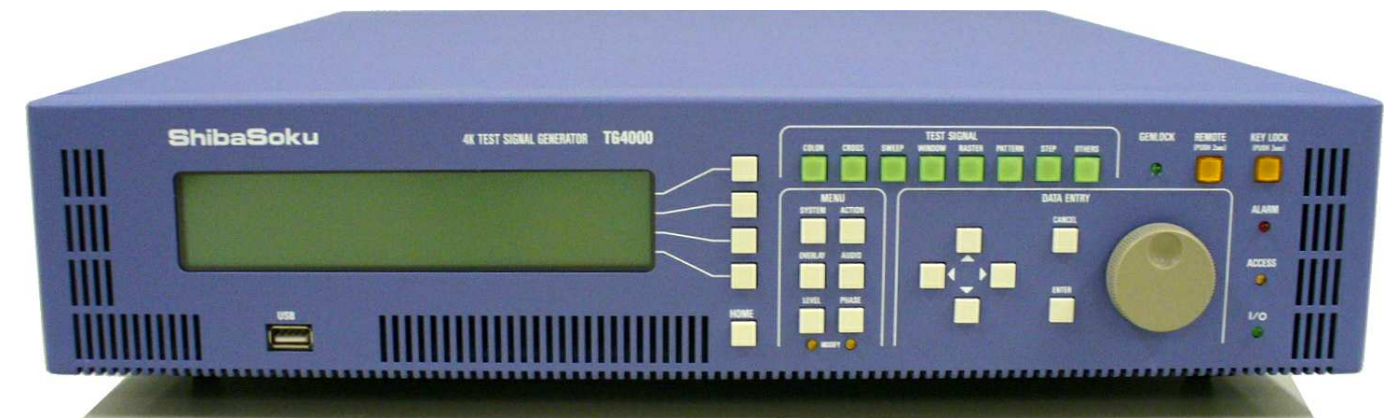
Main Specifications

Item	Specification
1. Input Specification	
Reference	BB/Tri-SYNC/CW 10MHz BNC 1 Loop through 75Ω
2. Output Specifications	
SG-A/SG-B(main)	3G-SDIx4 outputs BNC 2 Distributions 75Ω
CB(Color Bar)	3G-SDIx4 outputs BNC 1 Distribution 75Ω
BLACK	3G-SDIx4 outputs BNC 1 Distribution 75Ω, No Audio
Sample Structures	Square division, 2-sample interleave division
Sync Signal Output (Option)	10 BNC Outputs 75Ω Output phase is variable Out1 - 3 BB fixed, Out4 - 6 BB/Tri-Sync selectable Out7 - 8 BB/Tri-Sync Selectable Out9 - 10 Audio word clock
3. Video Specifications	
Valid pixel number, Frame frequency, Sampling	3840x2160, 4096x2160 60/59.94/50/30/29.97/25/24/23.98 Hz YCbCr/RGB 4:2:2/4:4:4 10bit/12bit
Colorimetric	Rec. ITU-R BT.2020/BT.709 selectable, or 2020/709 Split Color Bar
Superimposed signals	Logo (BMP), Marker signal
Test Signals	COLOR BAR, CROSS, SWEEP, WINDOW, RASTER, PATHOLOGICAL, STEP, RAMP, Mono-scope, CZP, NOISE, Natural Pictures, User Pictures
4. Embedded Audio Specifications	
Sampling, Quantization	48kHz (Synchronized with Video Clock) 20bit, 24bit
Channel Number	16ch (at Level A), 32ch (at Level B) Each Link(3G-SDI) individual audio
Audio Test Signals	400Hz, 1kHz, 3kHz, Sweep, Variable, -18dBFS, -20dBFS, Mute
5. Functions	
Gen Lock phase adjustment, Each 3G-SDI output timing adjustment, Video Level adjustment, Video Scroll, Video Bounce, Lip Sync signal output, Customer's original video output, Logo/Marker superimpose	
6. Remote	
Contact (D-sub 15pin), LAN(10/100Base-T), RS232C(D-sub 9pin)	
7. Alarm Output	
Contact (D-sub 9pin)	
8. Power Supply, Dimensions, Weight	
AC100~240V 50/60Hz 150VA max 426(W) x 88(H) x 550(D) mm approx 8.4kg	
9. Option	
TG4000401 4K Natural Pictures set (Rec. ITU-R BT.2020/BT.709) TG4000402 4K 3D Natural Pictures set (LBL, SBS, T&B)	



TG4000A

4K TEST SIGNAL GENERATOR



- 3840 × 2160pixel, 4096 × 2160pixel
- 4K Test Signal 4 Outputs
- Sync Output (BB/Tri-SYNC/AUDIO WC)
- Gen Lock Function (BB/Tri-SYNC/CW 10MHz)
- Video Scroll Function
- Audio Signal Function
- HDR option



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