

4K Ultra High Definition(UHD) Pattern Generator



Overview

SDG-3200 is a low cost and high performance 4K UHD Pattern Generator. The 4K Pattern Generator is designed to play ideal 4K Test Patterns for the UHDTV. This system can output 4K UHD stream through various HDMI 1.4 port.

With the maximum rate of 500Mbps without reducing the resolution (3840x2160 ; 4K), It features friendly interface for software and network remote control. New 4K UHD Streams can be loaded via USB to provide Video & Audio signal for: UHD TV receiver Design, UHD Broadcasting system , LCD TV /LED TV / PDP /DTV Module Manufacturing and QC Verification .

Features

- Low cost and high performance
- Support HDMI 1.4 output of video & audio signals
- Easy Maintenance and Management
- Support EDID Function
- Touch screen control
- Friendly software GUI & OSD
- Compatible with 4K UHD stream files at various rate, up to max. 500Mbps to keep the original resolution
- Support highest 3840 x 2160 (4K) resolution
- Support Video Up-scaling (720P/1080i/1080P/4K)
- Built in SSD 128G & 4K UHD Test Pattern (Color Bar/1K Tone, Ramp, Burst...)



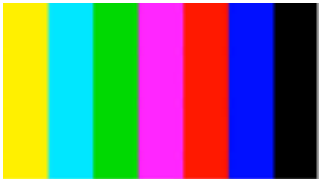


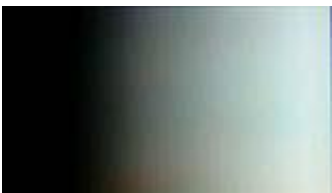
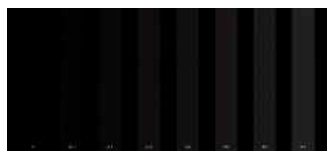

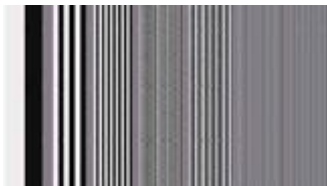
1080P HD
Bit rate 100M

4K UHD
Bit rate 400Mbps

Specification:

Digital A/V Output	HDMI 1.4 Main Port 1 CH
	DVI Dual Link / Display Port 1.2 (Option)
Source File	MPEG2 TS , WMV HD , AVC HD , H.264
	4K UHD Stream (Max 500Mbps)
File Update	USB
Control	Keyboard / Touch screen
HD / 4K Resolution	720P50,720P60 1080i60,1080P24,1080P25 1080P30,1080P50,1080P60 4KP24,4KP25,4KP30
File Storage Space	SSD 128 GB
LAN	10/100Mbps RJ-45 Connector
Power	100~240VAC 50/60Hz
HDMI Port Reliability	>3000 times insert and plug out

4K UHD Test Pattern Sample:

Item.	Photo	Description
Color Bar		100% Color Bars With small moving element Audio: 1Khz Tone
SMPTE Color Bar		SMPTE Color Bars With small moving element Audio : AC3 1Khz Tone
Ire Bar		Ire Bar With small moving element Audio : AC3 Auto test
256 Gray Scale		256 Gray Scale With small moving element Audio : AC3 Scale
Black Level		Black Level
Crosshatch		White cross hatch on a black background
Multi Burst		Multi Burst

Black&White		Black&White
100% Blue		100% Blue
100% Red		100% Red
100% Green		100% Green
RGB_64 Step		RGB_64 Step
Up /Down Gray 64 Step		Up /Down Gray 64 Step
TV Test Pattern 1		Color Bar / Multi Burst / Gray Scale
TV Test Pattern 2		Color Bar / Multi Burst / Grid and circle /Gray Scale With small moving element Audio: 1K Hz(L)+ 400Hz(R)

4K UHD Movie Sample:



*: all specifications are subject to change without notice.