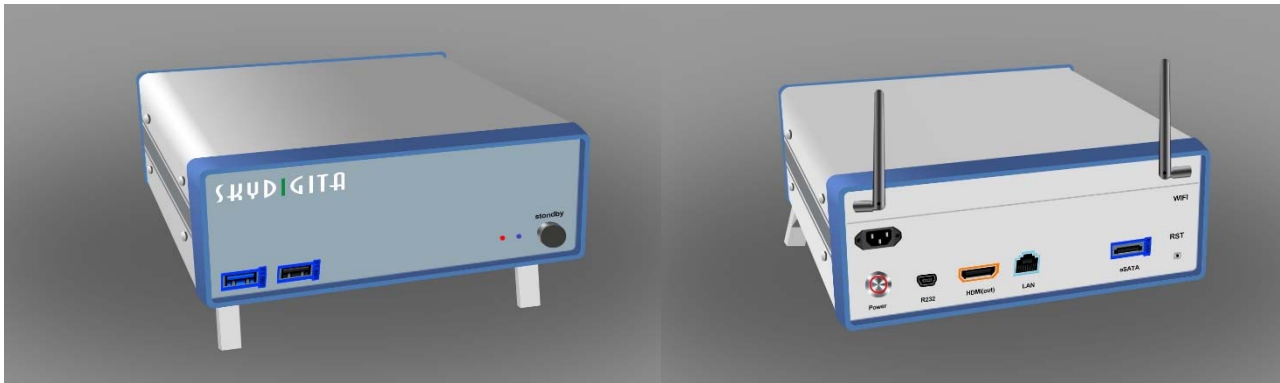


4K Ultra High Definition (UHD) Pattern Generator SDG-3220 series



Overview

SDG-3220 series is the low cost and high performance 4K UHD Pattern Generator. It is designed to generate multiple 4K Test Patterns for UHD TV. The system can also play out 4K UHD Movies through HDMI output port. The user friendly software interface ease the operation of multiple functions.

SDG-3220 provide ideal Video & Audio signal source for: UHD TV receiver Design, UHD Broadcasting system, LCD TV /LED TV / DTV Module Manufacturing and QC Verification.

Features

- Low cost and high performance
- Support up to H.264@30P, HEVC@30P, 10-bit, 4:2:0
- 12-bit, 4:2:2, HEVC@50/60P mode supported for SDG-3220Pro
- Support HDMI 1.4 video & audio output , HDMI2.0 with HDCP2.2 for SDG-3220Pro
- WiFi access as an option: 802.11a/g/b/n
- Remote control through RS232 interface
- Friendly software GUI & OSD
- 4K UHD Movie file play-out without reducing the resolution
- Maximum resolution supported 3840 x 2160 (4Kx2K)
- Built in SSD 128G & 4K UHD Test Pattern (Color Bar /1K Tone, Ramp, Burst.....)
- Flexibility to import file
- USB3.0 x1, USB2.0 x1
- 3D TV supported and compliant to H.264 MVC standard

- DLNA compliant
- Extra eSATA interfaces for SDG-3220Pro



1080P HD

x 4 =








4K UHD

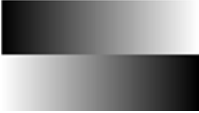

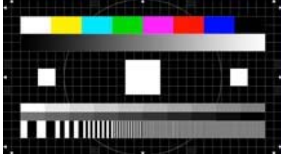
Specification:

Digital A/V Output	HDMI 1.4 1-CH
	HDMI 2.0 1-CH (*for SDG-3220Pro)
File Play-out	Built in 4K Test Pattern / Audio Test Function
	4K UHD Movie, pre-loaded or imported from external disk/drive
Real Time Decoding	GigE IP stream input, UDP/RTP/RTSP/HLS
Control	Infrared Remote Control, RS232 command line
HD / 4K Resolution adjustable	720P50,720P60 1080P24,1080P25 1080P30,1080P50,1080P60 4KP24,4KP25,4KP30 4KP50/60(*for SDG-3220Pro)
File Storage Space	SSD 128 GB
Wired Network Connection	1000Mbps RJ-45 Connector
USB Port	1x USB3.0, 1x USB2.0

WiFi	Dual band 2x2 MIMO 802.11 abgn(*option for Pro)
Power	100~240VAC 50/60Hz
HDMI Insert and Draw Life Cycle	>30000

4K UHD Test Pattern Samples:

Item.	Photo	Description
Color Bar		100% Color Bars
SMPTE Color Bar		SMPTE Color Bars
Ire Bar		Ire Bar
256 Gray Scale		256 Gray 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