

8K HDMI 2.1 Test Pattern Generator & Analyzer with SDVoE Option and AVoIP Tests



The TPG-8K is the first test 8K test pattern generator with analyzer to focus on AV over IP in addition to HDMI. AVoIP has quickly become the leading distribution for our industry which is why we built a device to properly test the image quality from end to end. The latency performance of the stream is just as important which is why we added the ability to measure end to end latency including the network switch latency. Along with HDMI, HDCP, and EDID analyzing assures an install or lab testing goes smooth and quickly. We even made it rack mountable for use at a headend to send patterns or view content on the HDMI or SDVoE with optional expansion card.

Features:

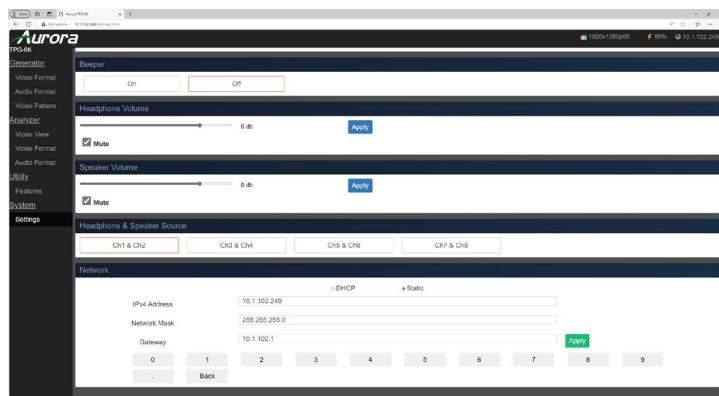
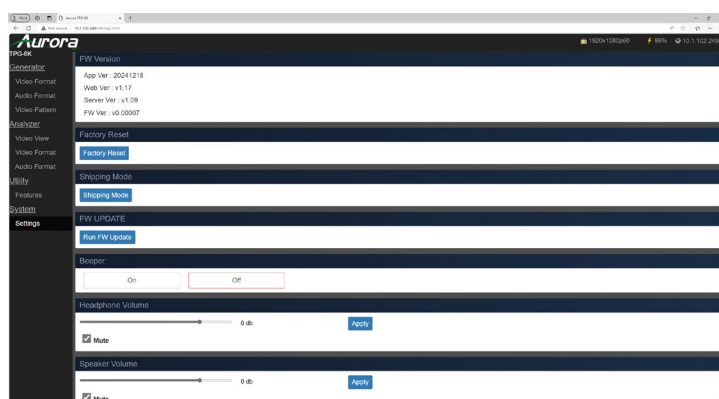
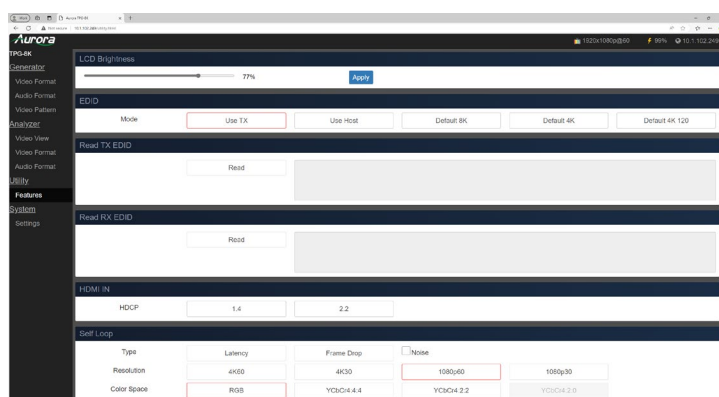
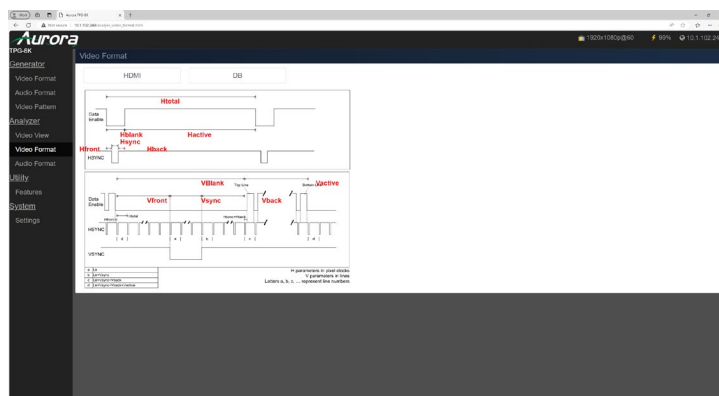
- Supports video resolution outputs up to 8K60 4:2:0 10bits, 8K30 4:4:4 & 4K2K 120Hz
- Supports HDR, which is 4K2K@60 4:2:0 10-bits/12-bits
- Built-in motion video patterns
- HDMI input and output support up to HDMI 2.1 & HDCP 1.4/2.3
- Fundamental HDMI feature analysis up to 8K4K@60 4:2:0 8bit HDMI 2.1 input
- HDCP & EDID Analysis
- AV over IP Test Patterns and Latency Analyzer
- 2 Internal Speakers
- HDMI Input Video Preview Display
- 7" Capacitive Touch Screen & Web Server for remote control
- Battery powered for portability; it can extend operation time with full load up to 3 hours



TPG-8K Rear View with Option 10G SDVoE Expansion Card



Included plastic protective case with internal foam cutouts for unit, option card, and power supply.



Technical Specifications:

Model Name	TPG-8K
Technical	
Role of usage	HDMI 2.1 Installation Gear
Video Bandwidth	Input up to FRL 5 (48G) Output up to FRL 5 (48G) Frequency Range: 25MHz~1188MHz
HDMI Compliance	HDMI 2.1 and below
HDCP Compliance	HDCP 2.3 and below
Video Support	up to 8K60 4:2:0 10bits, 8K30 4:4:4 & 4K2K 120Hz
ESD protection	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]
Video Format Support	HDMI & SDVoE
Input	1x HDMI 2.1
Output	1x HDMI 2.1
Control	7" Capacitive Touch Screen (1280 x 800) & Mouse Control
Audio	2 Internal Speakers (2W per channel)
HDMI connector	Type A [19-pin female]
USB Type A	Firmware update
USB micro connector	Console Debugging
Option Card Slot	SDVoE Option Card Slot (TPG-SDVoE)
Mechanical	
Housing	Metal Case
Mounting	Desktop Feet, Optional Rack Mount
Dimensions (L x W x H)	11.25" x 7" x 3" (285.75mm x 177.8mm x 76.2mm)
Weight	4.6lbs (2.087kg)
Power Supply	12v DC, PoE+, & Battery
Power Consumption	23 Watts with Option Card
Operation Temperature	0~40° C [32~104° F]
Storage Temperature	-20~60° C [-4~140° F]
Relative Humidity	20~90% RH [No Condensation]
Warranty	Limited 2 Years
Package Contents	
	1x TPG-8K, 1x Plastic Protective Case

Note: Specifications subject to change without notice.