

AVN-8000 4K Digital video analyzer

Measurements related to camera characteristic evaluation, such as S/N measurement of HDTV and 4K camera, are performed directly with digital signals.

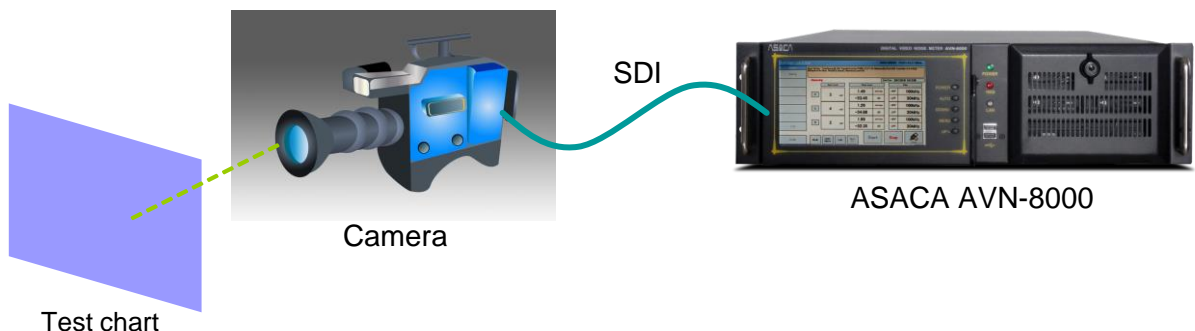
■ MEASUREMENT ITEMS

- S/N measurement
- High light measurement
- LAG measurement (Video afterimage)
- Resolution measurement (MTF, Horizontal resolution, Vertical resolution)

■ FEATURES

- Supports 4K and HDTV video
- S/N measurement, High light measurement, LAG measurement, Resolution measurement
- In the S/N measurement, it can correlate with ShibaSoku's analog noise meter VN32A6 which is the industry standard.
- Supports 12G-SDI and 3G-SDI Quad-Link at 4K video
- Supports HDR video
- Scheduled to equip light source control I / F
- Supports 23.98Hz to 60Hz video frame rate
- Supports YCbCr 4:2:2 video sampling and RGB 4:4:4 video sampling
- Signal analysis processing by software
- Enhanced by software plug-in
- It can save measurement parameters and measurement results

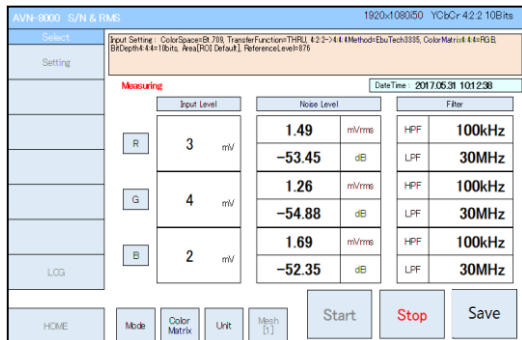
Connection example



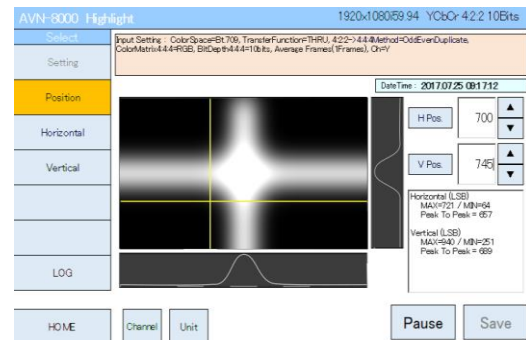
Main Specifications

Video input	
SDI input	4K: 12G-SDI / 3G-SDI quad / HD-SDI quad 1 input BNC 75Ω HD: 3G-SDI / HD-SDI 1 input BNC 75Ω
4K	3840×2160 59.94p / 50p (with 12G-SDI / 3G-SDI quad, SQD / 2SI, Level-A / B) 30p / 29.97p / 25p / 24p / 23.98p (with HD-SDI quad)
HD	1920×1080 60p / 59.94p / 50p (with 3G-SDI Level-A / B) 60i / 59.94i / 50i / 30p / 29.97p / 25p / 24p / 23.98p (with HD-SDI)
Sampling	YCbCr 4:2:2 10bit RGB 4:4:4 10bit / 12bit (30p or less)
Color space	ITU-R BT.709 / 2020
S/N Measurement	
HPF	THRU / 100kHz / 200kHz
LPF (Y/R/G/B)	THRU / 15MHz / 30MHz
LPF (Cb/Cr)	THRU / 15MHz / 30MHz
Reference input	
Reference	525BB / 625BB / Tri-SYNC 1 input BNC 75Ω
General	
Chassis size	450mm(W)×132mm(H)×648mm(D)
Power requirements	AC100V to 240V±10%, 50Hz / 60Hz
Operating temperature	5°C to 40°C

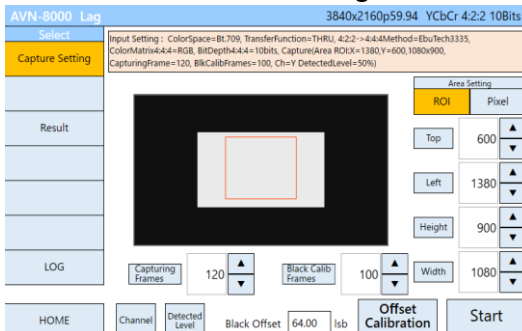
S/N measurement image



High light measurement image



LAG measurement image



Resolution measurement image

