



DVDO AVLabTPG™



Key Features

- Full 4K (50/60Hz) test pattern as outlined in Version 2.0 of the HDMI Standard
- 85+ built-in patterns (R, G, B, C, M, Y, K, Scale, Sharp, Focus, Bars, PLUGE, Half, etc.)
- Dynamically generated patterns via USB control
- Direct USB control via CMS software (i.e. CalMAN & Chromapure)
- Field upgradeable firmware and patterns
- HDMI®/MHL® pass-through convenience feature
- Custom ISF black and white PLUGE patterns
- USB powered or with AC adapter

CalMAN™ Ready, 4K Ultra HD Test Pattern Generator

DVDO AVLab Test Pattern Generator (TPG) is the first pocket-sized test pattern generator supporting full 4K Ultra HD at 50/60Hz as specified in Version 2.0 of the HDMI Standard. Designed specifically for use with Color Management System (CMS) software such as CalMAN, the AVLab TPG is powered by USB and uses the USB interface to automatically control the video calibration workflow. Pocket-sized and rugged, AVLab TPG is designed to bring lab-quality functionality to on-site display setup and calibration.

Full 4K (50/60Hz) Patterns

AVLab TPG matches test pattern quality to the capability of the 4K Ultra HD panel which is critical to achieve optimum results. Professional AV installers can use custom 4K test patterns to verify format, sharpness, black levels and color calibration.

Direct PC control

AVLab TPG offers a direct USB connection providing power and control for fast verification and calibration of a new panel in CalMAN or other video calibration software packages. AVLab TPG integrates into the workflow to dynamically generate new test patterns based on user and software control, and the included IR remote control allows fast jump-to pattern access for quick setups.

Custom ISF Patterns

DVDO collaborated with the Image Science Foundation (ISF) to include a set of black and white PLUGE patterns in the AVLab TPG for quick visual verification of black and white levels as well as contrast.

Wide Range of Easily Accessible Patterns

AVLab TPG offers three sources of test patterns.

- Built in test patterns
Over 85 built in test patterns to cover display setup and visual calibration.
- USB controlled custom patterns
Interface through USB with CMS software dynamically generates thousands of patterns
- HDMI/MHL Pass-through
Designed to accept patterns via an MHL-enabled device (Android)

MHL

While critical-high quality patterns are all built in, installers can connect AVLab TPG to any MHL-enabled devices such as smartphones or tablets to integrate their favorite custom patterns into the workflow for direct high-definition display of custom test patterns. When powered by a 5V-3A supply, the AVLab TPG even charges the mobile device while in use.

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4K Test Pattern Generator



Actual size



Technical Specifications

Video Signals	
Video Format Output	VGA, SVGA, XGA, SXGA, 480i, 480p, 576i, 576p, 720p50, 720p60, 1080i50, 1080i60, 1080p24, 1080p25, 1080p50, 1080p60, 4K24(3840), 4K24(4096), 4K25(3840), 4K30(3840), 4K50(3840) 4:2:0, 4K60(3840) 4:2:0
Standard specification	HDMI 2.0
Color Space	Limited YCbCr(BT.601 and BT.709), Full Range RGB
Bit Depth	8, 10, 12
Patterns	85+ built in: Colors, PLUGE, Sharp, Focus, Bars, Ramp, Multiburst, Moving frame rate, etc.
Firmware Upgrade	Simple field upgrade via USB for features and pattern loading
Interface / Port	
Side Panel	1 x HDMI2.0/MHL2.0 Input 1 x USB 2.0 Control and Power 1 x DC input (1.7x4mm) 5V@3A 1 x HDMI 2.0 output 1 x 1.8" stereo mini jack IR receive dongle 1 x Direct IR receive 1 x S/PDIF optical audio out 3 x control buttons (Patterns, Resolution, F/W Update)
Dimension (L x W x H)	80 x 63 x 20 mm (3.1 x 2.5 x 0.8 inches)
Weight	
Package	2 lbs



中港澳總代理及技術支援:



a.v. consultant (int'l) Ltd.
影音顧問(國際)有限公司

The Penthouse, 24/F., 1 Duddell Street, Central, Hong Kong.

Tel: (852) 2581 2928 Fax: (852) 2581 2938 info@avconsultant.com.hk

國內聯繫: (86) 130 6848 6566