



CalMAN VPS-2000 Video Pattern Set USB Drive Quick-Start Guide

Thank you for purchasing the CalMAN VPS-2000 Video Pattern Set USB Drive. The VPS-2000 is designed to use with a Western Digital media player that you already own or purchase locally to assemble your own digital pattern generator.

The VPS-2000 set of over 2400 patterns was designed to support to the new features in CalMAN 5, including its Dynamic Range control and luminance and saturation sweeps.

The VPS-2000 patterns include:

- Grayscale luminance patterns at 5% increments.
- Grayscale pattern levels to 109%, for above-white testing with CalMAN 5 Dynamic Range control.
- Color luminance patterns at 25% increments.
- Color saturation patterns at 20% and 25% increments.

Digital Pattern Generator

To use the VPS-2000 Video Pattern Set USB Drive with a media player, simply insert the drive into an open USB port on the player before powering up the player.

A Western Digital media player with the VPS-2000 USB Drive attached can be controlled automatically by CalMAN using a USB-UIRT USB to IR interface, available from SpectraCal and other sources.

Note: Automated CalMAN control of a media player with the VPS-2000 USB Drive requires a CalMAN 5 Control, Enthusiast, or business license.

Digital Media Streaming

The VPS-2000 video patterns can also be imported to a media stream with fixed durations per pattern to create an automated test and evaluation sequence.





VPS-2000 USB Drive File Structure

The VPS-2000 Video Pattern Set contains patterns at the four major consumer video resolutions, 480, 576, 720, and 1080, at both SMPTE video levels and full range PC levels. It contains grayscale and color patterns at 5% luminance increments, color patterns at 20% and 25% saturation increments, and a full range of visual evaluation patterns.

The VPS-2000 USB Drive file structure is outlined below for the 1080 resolution. Though not shown, the same selection of patterns is also available at each of the other video resolutions.

01 Patterns				
	01 CalMAN			
		01 480		
		02 576		
		03 720		
		04 1080		
			01 Video Levels 16-235	
			01 Small Luminance	small window luminance levels
			02 Large Luminance	large window luminance levels
			03 Full Luminance	full screen luminance levels
			04 Small Saturation	small window saturation levels
			05 Large Saturation	large window saturation levels
			06 Full Saturation	full screen saturation levels
			07 Specialty Patterns	visual evaluation patterns
			02 PC Levels 0-255	
			01 Small Luminance	small window luminance levels
			02 Large Luminance	large window luminance levels
			03 Full Luminance	full screen luminance levels
			04 Small Saturation	small window saturation levels
			05 Large Saturation	large window saturation levels
			06 Full Saturation	full screen saturation levels
			07 Specialty Patterns	visual evaluation patterns
	02 User			
02 Audio				
03 Video				