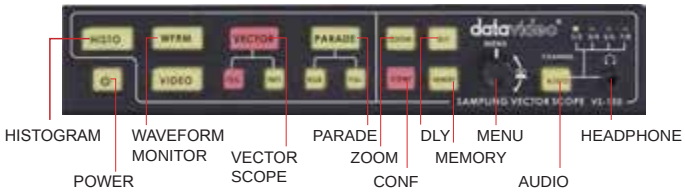
SAMPLING VECTOR SCOPE
VS-150

VS-150 is designed with a user friendly control panel in 1RU half rack mountable casing. It is a useful video tool for studio video calibration and Datavideo Mobile Video Studio and OB Van integration.

FRONT VIEW



REAR VIEW

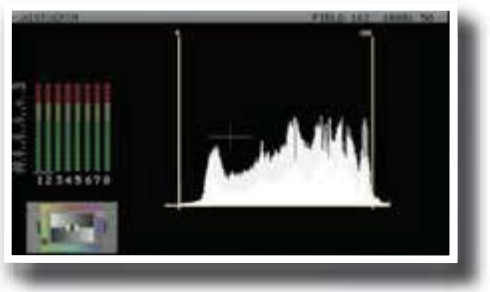
FUNCTIONS

Waveform Monitor

A waveform monitor is used to measure and display the level, or voltage of a video signal with respect to time. It can be used to display the overall brightness of a picture, to assist with calibration of video cameras, and to line up multiple-cam setups in order to ensure that the same scene shot under the same conditions will produce the same results.

Histogram

Histograms represent the distribution of exposure values by displaying where the brightness levels contained in the scene are found, from the darkest to the brightest. Values are arrayed across the bottom of the graph from left (darkest - 0) to right (brightest-100). The vertical axis (the height of points on the graph) shows how much of the image is found at any particular brightness level.



Vector Scope

A vectorscope is used for video black/white balance calibration and to visualize chrominance in two methods —color saturation, encoded as the amplitude or gain and hue, encoded as the phase. The vectorscope's graticule roughly represents saturation as distance from the center of the circle, and hue as the angle.

Color Bar from camera

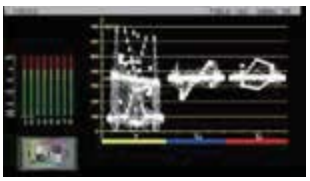
Vectorscope

Parade

Parade shows the white balance where R, G, B values have equal amplitudes.

VS-100/VS-150 offer advanced capture function. Users can save a complete frame of video in RGB or YUV format to a buffer memory. The stored data is displayed as a captured green trace, so that it can be easily compared with a live trace. When using multiple cameras, it is important that all cameras are matched.

R G B CORRECTION



Y Cb Cr CORRECTION