



# VideoQ VQV Variants

VQV-Classic, VQV-Premium and VQV-Pro (full version)



Function / Parameter	Classic	Premium	Pro
<b>METERS / ANALYZERS</b>			
'Color Picker' – Current pixel RGB / YUV / Light levels readout	✓	✓	✓
'VV WFM' – Frame Lines Profile Overlay (relevant RGB ranges as vertical waveforms)	✓	✓	✓
'VV-Bars' – RGB / YUV frame statistics summary indicators	✓	✓	✓
'VectorScope' – UV frame statistics, 75% & 100% Color Bars Target Boxes	✓	✓	✓
WFM – RGB/YUV Line Parade Waveform Monitor		✓	✓
Active Frame Size Meter and Letterbox / Pillarbox Indicator		✓	✓
'C-Bar' – Bitrate and frame type indicator		✓	✓
'ChromaScope' – CIE 1931 Chromaticity Diagram (Color Gamut Meter)			✓
SDR/HDR Metadata Validator – Brief report in pop-up box, machine-readable report as text export			✓
Histogram – RGB and Light Levels frame statistics			✓
'L-Bar' – Frame Light Levels statistics summary indicator			✓
Bitrate and GOP size segment statistics – summary text overlay			✓
RGB and Light Levels segment statistics – summary text overlay			✓
Noise Meter – Noise Histogram, Intra-frame Activity, Inter-frame Activity, SNR readout			✓
<b>VIDEO IMAGE DISPLAY FILTERS</b>			
Zoom (from 1:4 to 4:1) and Pan	✓	✓	✓
RGB, R, G, B, Y, UV Color Components – user-selectable color channels	✓	✓	✓
LSB Image, e.g. full contrast display of 2 LSBs image derived from 10 bit data		✓	✓
Gain (up to x16) and Offset, applied to full frame or within the adjustable mask			✓
Temporal & Spatial Filters – Inter-frame (T-HPF) & Intra-frame (XY-HPF, XY-LPF) filters combinations			✓
<b>FILE EXPORT</b>			
Current Frame Screenshot – BMP with optional timestamp	✓	✓	✓
Converted Frame(s), e.g. numbered YUV HDR-HLG files from MP4 HDR-PQ source			✓
<b>COLOR SPACES</b>			
BT.601, BT.709, BT.2020/BT.2100, Narrow / Full YUV Range	✓	✓	✓
Graticule Modes and Units selection: %RGB, %LL, nit (cd/sq.m)	✓	✓	✓
Camera LOG & DPX LOG formats support		✓	✓
High Bit Depth RGB, YUV, XYZ, upto 16 bit per component		✓	✓
SDR, HDR-PQ (HDR10, DoVi), HDR-HLG, LOG: metadata driven and manual EOTF selection			✓
<b>REPORTS</b>			
Media Info Report – Brief report in pop-up box, full machine-readable report as text export	✓	✓	✓
Saving analysis data to text file		✓	✓
Frame Statistics Report – Brief report in pop-up box, machine-readable report as text export			✓

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<b>INPUT FORMATS</b>			
<b>Video:</b> All common formats supported by ffmpeg, e.g. MP4, MOV, AVI	✓	✓	✓
<b>Static Images:</b> All common formats supported by ffmpeg, e.g. JPG, BMP, TIF	✓	✓	✓
<b>Frame Sizes</b> from 192x108 to 1920x1080	✓	✓	✓
<b>UHD/DCI Frame Sizes</b> from 1920x1080 to 4096x3112		✓	✓
<b>RAW Video Data Files:</b> YUV, Y4M, RGB (8 bit ~ 16 bit per component)			✓
<b>Numbered Video Frames:</b> e.g. test0000.BMP, test0001.BMP, etc.			✓
<b>TIMELINE NAVIGATION</b>			
<b>Stop, Play, Pause, Next Frame, Previous Frame, Timeline Slider, TimeCode Display</b>	✓	✓	✓
<b>A-B Loop mark-up and playout</b>	✓	✓	✓
<b>'Videola'</b> – Variable forward/backward playout speed			✓