

Copyright © Sareesh Sudhakaran 2017	Waveform + Vectorscope	False Color	Zebras	Spot Meter	Eye/LCD/EVF	Histogram
At a glance?	Yes	Only if you limit colors to a few IRE levels	Yes	You need to aim it correctly.	Yes	Yes
Need monitor for reassurance and application?	No	Yes	Yes	Yes for cameras, No for light meters	Yes	Yes
Luma levels Rec. 709	Yes	Yes	Yes	Yes	Yes	Yes
Luma levels HDR, Super whites	Yes	No	No	Yes	No	No
Any color space?	Yes	Yes	Yes	Yes	Yes	Not as implemented
RAW exposure?	Via reference transform	Via reference transform	Via reference transform	Yes	Via reference transform	Not as implemented
Log exposure?	Yes	Yes, if you are able to manipulate colors	Yes	Yes	No	No
Spatial representation?	Yes	Yes	Yes	No	Yes	No
Precision?	Yes	Yes, if you are able to manipulate colors	Yes	Yes	No	No
Colors Rec. 709	Yes	No	No	No	Yes	No
Colors Rec. 2020	No	No	No	No	No	No
Matching skin tones, exposure	Yes	Yes	Yes	Yes	No	No
10-bit and higher	Yes	Yes	Yes	Yes	Yes	No
RGB model	No	No	No	Yes	Yes	Yes
Y'CbCr model	Yes	Yes	Yes	Yes	Yes	No
ETTR (only if representative of RAW)	No	No	No	No	No	Not as implemented
Quantization problems	Rarely	No	No	No	No	Yes
Available in most cameras?	Yes	No	Yes	Yes	Yes	Yes
Available in most monitors?	Yes	Only a forced false color. Need adjustable with support for superwhites	Yes	Yes	Yes	Yes
Speed and practicality	The best available	Only if the LCD is clearly visible	Moderate	The best available, but not very practical if it's in the camera	Only if the LCD is clearly visible	Not for video