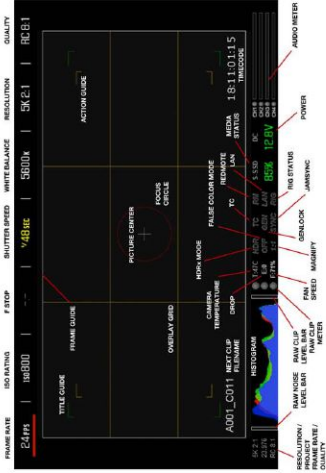


RED EPIC

pocket guide

theBLACKandBLUE.com

DISPLAY



TOUCHSCREEN

Lower Status Row Shortcuts

- **System Status:** Touch Clip Settings in lower left
- **False Color Menu:** Touch RGB Histogram
- **Settings Menu:** Touch System Status in center
- **Media Menu:** Touch Media Status indicator
- **Power Menu:** Touch Power Status indicator
- **Audio Input Menu:** Touch Audio Meters



Touching this icon enters secondary menus.
Holding it locks the touchscreen display.



To unlock the touchscreen, hold this icon.

Touch outside windows to confirm selections/exit.

Touch Gestures

Pinch to Magnify: Pinch with two fingers to enable focus zoom. Slide fingers apart to exit.

Double Click Right 25%: Double tap right 25% of screen to start and stop recording.

VARISPEED

REDCODE Options for Varispeed Recording

Maximum framerate and redcode settings

FPS	24	25	30	48	50	60	72	75	90
5K FF	RC 3:1	RC 4:1	RC 4:1	RC 6:1	RC 7:1	RC 8:1	RC 9:1	RC 10:1	RC 12:1
5K 2:1	RC 3:1	RC 3:1	RC 4:1	RC 6:1	RC 6:1	RC 8:1	RC 9:1	RC 9:1	RC 11:1
5k ANA	RC 3:1	RC 3:1	RC 3:1	RC 4:1	RC 5:1	RC 5:1	RC 6:1	RC 7:1	RC 8:1
5K 2.4:1	RC 3:1	RC 3:1	RC 3:1	RC 5:1	RC 5:1	RC 6:1	RC 8:1	RC 8:1	RC 9:1
4K HD	RC 3:1	RC 3:1	RC 3:1	RC 4:1	RC 4:1	RC 5:1	RC 6:1	RC 6:1	RC 7:1
2K 2.4:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1

FPS	96	100	120	150	175	210	250	288	300
5K FF	RC 12:1	-	-	-	-	-	-	-	-
5K 2:1	RC 12:1	-	-	-	-	-	-	-	-
5k ANA	RC 8:1	-	-	-	-	-	-	-	-
5K 2.4:1	RC 10:1	RC 10:1	RC 12:1	-	-	-	-	-	-
4K HD	RC 8:1	RC 8:1	RC 10:1	-	-	-	-	-	-
2K 2.4:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 3:1	RC 4:1	RC 5:1	RC 6:1	RC 7:1

RECORDING

Approximate Record Times on 128GB Mag

REDCODE	5K(FF)	5K(2:1)	5K(2.4:1)	5K(ANA)	4K(HD)	2K(2.4:1)
RC 12:1	56	59	70	89	84	400
RC 11:1	52	54	65	82	77	367
RC 10:1	47	50	59	74	70	333
RC 9:1	42	45	53	67	63	300
RC 8:1	38	40	47	59	56	267
RC 7:1	33	35	41	52	49	233
RC 6:1	28	30	35	45	42	200
RC 5:1	23	25	29	37	35	167
RC 4:1	19	20	23	30	28	133
RC 3:1	14	15	18	22	21	100

**Times are in minutes based on 128GB REDMAG at 24fps*

REDCODE is a variable codec meaning scenes with high detail consume more data.

RED founder Jim Jannard acknowledges that REDCODE 5:1 is the "sweet spot."

For comparison, RC 36 is approx. RC 9:1

POWER

REDVOLT Batteries

- **Full charge:** 16.4 V
- **Full discharge:** 10V (automatically stops)
- **Camera runtime at full charge:**
approx. 30 minutes for REDVOLT 30Wh;
approx 90 minutes for REDVOLT XL 90Wh.

RED Travelcharger

- **Time to full charge:** 90 minutes
- **Time to 80% charge:** 60 minutes

Charger Indicator Lights

- **Red Solid:** Charger on with no battery
- **Yellow Flashing:** Battery charging
- **Green Solid:** Battery fully charged
- **Red/Green Alternate:** Fail condition

Charging stops automatically after 105 minutes and/or the battery reaches about 17.0 volts.

RED Epic can also be powered through legacy RED Brick batteries via the DC In power port.

SENSOR

A B



A. Mysterium-X Sensor

(30 mm x 15 mm)

B. 5K Record Area

5120 x 2700 Pixels (27.68 mm x 14.60 mm)

Current available resolution options:

5K (2:1/2.4:1/FF/ANA) - 4K (HD) - 2K (2.4:1)

Default is 5K 2:1

Like the RED One, Epic windows the sensor for lower resolutions, resulting in a smaller area of the sensor used and larger depth-of-field.

FALSE COLOR

Video

Activates multi-color overlay designated as such:

Color		Description	IRE Level
Red		Super White	108 - 109
Orange		Super White	105 - 107
Yellow		Super White	101 - 104
Straw		White	96 - 98
Pink		Typical for Caucasian Skin	54 - 57
Green		Typical for 18% Gray Card	44 - 47
Teal		Dark Gray	9 - 12
Blue		Black	1 - 3
Purple		Super Black	< 1

Exposure

Purple is minimum exposure, red is maximum

Focus

Displays a red color overlay that outlines the edges of objects that are in sharp focus

CONTACTS

RED Customer Support

North America

RED Hollywood.....1-323-463-0808

RED Headquarters.....1-949-206-7900

**also time critical help M-F 8am to 5pm (PST)*

Europe and Asia

RED Europe Ltd.....44(0)1753-785454

RED Square Russia.....7-499-143-4709

Online Resources

<http://www.red.com/support>

<http://www.reduser.net>

DISCLAIMER

This guide is not a substitute for full comprehension of the RED Epic and its functionality. Users and customers should read all material provided by RED with its products including, but not limited to: manuals, reports, changelogs, white papers, and digital documents.

Evan Luzi and The Black and Blue assumes no responsibility for losses or damages that arise from the use of this document.

The information in this guide has been researched and is believed to be correct.

Due to continually evolving technology, the information within this guide may change rapidly and without notice. No false information was knowingly applied and information was supplied with an earnest care for clarity.

Still, it is provided without warranty or guarantee.

COPYRIGHT

All rights reserved.

This document and visual presentation of this data, in this form, as well as select text, copy, images, graphs and charts are copyrighted by Evan Luzi from 2011 and into the future.

Those wishing to inquire on either of these issues may contact admin@theblackandblue.com for further information.

<http://www.theblackandblue.com/>