

R

The R Series 2K is a revolutionary camera system that delivers simultaneous LIVE and SLOW MOTION video streams while transferring images at 10G Ethernet speed to your computer. Its compact size is ideal for a wide range of applications spanning from live broadcast action sports to quick troubleshooting of fast events. The R Series supports an image resolution of 2048 x 1080 @ 360 fps and has an image storage capacity of 16 GB DDR RAM. The camera comes standard with a USB-C Signal Hub (1473-0100), 24V Power Supply (1467-0110), 5m USB-C Cable (1421-0402-1) and Varizoom VZ-Stealth-LX LANC Controller (1503-0100).

- Global Shutter for blur-free images
- 360 fps at 1080p
- Dual 3G SDI
- 10G Ethernet

APPLICATIONS

Media & Entertainment, Visual Inspection

KEY FEATURES

Maximum Resolution	2048 x 1080
Maximum FPS @ Maximum Res	360 fps
Maximum FPS	19,709 @ 2048 x 8
Operating Temperature	-40+50°C / -40+122°F

FRAME PROPERTIES

Sensor Type	CMOSIS
Sensor Size	11.3 x 6.0 mm
Sensor Format	2/3 inch
Pixel Size (micron)	5.50 x 5.50 um
Pixel Depth	10 bit mono 30 bit color
Sensitivity	2000 ISO Color
Min. Exposure Time	1µs
Array	2.2 megapixel
Quantum Efficiency	1

MECHANICAL

Weight	0.58 kg or 1.2 lbs
Dimensions	71 x 51 x 123 mm (W x H x L)
Shock & Vibration	Shock: 20G / Vibration: 20G - All axes
Mount	C-Mount (Standard)

IMAGE CAPACITY

DDR	16GB
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TRIGGERING AND SYNCHRONIZATION

Sync Out	Frame sync / Strobe
Trigger	TTL & Switch/Circular buffer with on-camera or software trigger
HDSDI	Dual 3G SDI

POWER

Input Voltage	10-12 VDC @ Camera
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COMMUNICATION INTERFACE

Ethernet	10G Ethernet
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EMBEDDED LOGIC

Debayering	Color Cameras Only
Temporal Noise Reduction	Standard
Dynamic Noise Reduction	Standard
User defined ROI's and LUT's	Standard

SOFTWARE

Clips Download Manager	Windows 32/64 - MAC OS X
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