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DSMC2 HELIUM[®]

MORE THAN JUST 35 MILLION PIXELS

MORE RESOLUTION MEANS UNLIMITED POTENTIAL

Powered by the HELIUM 8K S35 sensor, the DSMC2 HELIUM provides creators the ability to unlock unlimited possibilities – whether they’re shooting for high-fashion stills, capturing live-action, or accommodating for visual effects. Users can remain nimble and confident in their final product, as 8K allows for the flexibility of super-sampling, cropping, and stabilizing to produce imagery that matches a content creator’s imagination.

IMAGERY THAT EXCEEDS EXPECTATIONS

RED’s HELIUM sensor delivers stunning resolution and image quality. Creating clean and natural imagery that brings footage to life and takes the next step in exceeding the beauty offered by film – up to 17x more resolution than HD – and over 4x more than 4K.

INTUITIVE WORKFLOW AND UNPARALLELED FLEXIBILITY

The DSMC2 line of cameras offer RED’s latest Image Processing Pipeline (IPP2), a completely overhauled and enhanced workflow experience. This image pipeline delivers a host of benefits including better management of challenging colors, smoother highlight roll-off, and a standardized color space and gamma. RED also features a proprietary file format, which efficiently encodes image data in a way that maximizes the post-production flexibility of RAW files and makes capturing higher resolutions manageable for anyone.

SENSOR	HELIUM 35.4 Megapixel CMOS
PIXEL ARRAY	8192 (h) x 4320 (v)
DYNAMIC RANGE	16.5+ stops
MAX FRAME RATES	60 fps at 8K Full Format (8192 x 4320), 75 fps at 8K 2.4:1 (8192 x 3456) 60 fps at 7K Full Format (7168 x 3780), 75 fps at 7K 2.4:1 (7168 x 3024) 96 fps at 5K Full Format (5120 x 2700), 120 fps at 5K 2.4:1 (5120 x 2160) 120 fps at 4K Full Format (4096 x 2160), 150 fps at 4K 2.4:1 (4096 x 1728) 150 fps at 3K Full Format (3072 x 1620), 200 fps at 3K 2.4:1 (3072 x 1296) 240 fps at 2K Full Format (2048 x 1080), 300 fps at 2K 2.4:1 (2048 x 864)
MAX DATA RATES	Up to 300 MB/s using RED MINI-MAG (480GB & 960GB) Up to 225 MB/s using RED MINI-MAG (120GB & 240GB)
APPLE PRORES	ProRes 422 HQ, ProRes 422 and ProRes 422 LT at 4K (4096 x 2160) up to 30 fps ProRes 4444 XQ and ProRes 4444 at 2K (2048 x 1080) up to 120 fps ProRes 422 HQ, ProRes 422 and ProRes 422 LT at 2K (2048 x 1080) up to 120 fps
AVID CODECS	DNxHR HQX at 4K (4096 x 2160) 12-bit up to 30 fps DNxHR HQ, SQ and LB at 4K (4096 x 2160) 8-bit up to 30 fps DNxHR 444 at 2K (2048 x 1080) 12-bit up to 120 fps DNxHD 444 and HQX (1920 x 1080) 10-bit up to 120 fps DNxHD HQ, SQ and LB (1920 x 1080) 8-bit up to 120 fps
VIDEO EDITING SOFTWARE COMPATIBILITY	Adobe Premiere Pro, Avid Media Compose, DaVinci Resolve, Edius Pro, Final Cut Pro, Vegas Pro, and REDCINE-X PRO
WEIGHT	3.35 lbs (BRAIN with Integrated Media Bay)



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