

















# 2018 CAMERA COMPARISON CHART

GARY ADCOCK & THOMAS FLETCHER		Imager (Actual Size)	ISO	Latitude Manufacturer Published Spec	Frame Rates	Pixel Resolution of Recorded Media	Recorded Bit Depth Format & Time (Highest Internal Record @ 24 fps)	Data (Per Min)	Weight (Body Only)	Power Draw	Highlighted Positives	Notable Credits	List Price (Camera Only) (US Dollars) Sorted by
	<b>CMOS</b> 44.7mm Ø 36.7 x 25.5mm	800 Base	14+ Stops		ARRIRAW LFOG LF16:9 LF2.39 .75-90 .75-90 .75-150  ProRes LFOG LF16:9 LF2.39 .75-60 .75-60 .75-100	ARRIRAW & ProRes LFOG - 4448x3096 LF16:9 - 3840x2160 LF2:39 - 4448x1856  ProRes Only LF16:9 2K 2048x1152 LF16:9 HD 1920x1080	12 Bit Log ARRIRAW: LFOG 2TB SXR CD: 64 min LF16:9 2TB SXR CD: 107 min LF2.39 2TB SXR CD: 108 min  12 bit Log C ProRes 4444: LFOG/2TB SXR CD: 64 min LF16:9/2TB SXR CD: 107 min LF2.39/2TB SXR CD: 108 min	ARRIRAW: LFOG 30 GB LF16:9 18.2 GB LF2.39 18.1 GB  ProRes: LFOG 15.4 GB LF16:9 9.2 GB LF2.39 9.1 GB	17.2 lbs.  7.8 kg	135W RAW 120W ProRes  w/EVF & wireless video	Immersive large format aesthetic. ALEXA image: wide latitude, great skin tones, low noise. Fast & efficient ProRes.  Uncompressed & unencrypted ARRIRAW HDR recording & monitoring. 150 fps, built-in wireless video. Netflix approved	<i>Terminator</i> <i>Lyrebird</i> <i>His Dark Materials</i> <i>Last Thing He Wanted</i> <i>Umbrella Academy</i> <i>She's Gotta Have It</i> <i>Many commercials</i>	\$98,200 <i>(price includes other accessories such as EVF &amp; Wireless System)</i>
	<b>CMOS</b> 33.6mm Ø 28.3 x 18.2mm	800 Base	14+ Stops		.75-90fps OG .75-96fps 4:3 .75-96fps 6:5 .75-120fps 16:9 No Mirror .75-60fps All with Mirror	OG 3424 x 2202 4:3 2880 x 2160 16:9 3168 x 1782	12 Bit ARRIRAW OG 512GB XR CD - 29 min 4:3 512GB XR CD - 39 min 16:9 512GB XR CD - 47 min OG 2TB SXR CD - 117 min 4:3 2TB SXR CD -142 min 16:9 2TB SXR CD - 157 min	OG 16.6 GB  4:3 13.7 GB  16:9 14.6 GB	14.3 lbs.  6.5 kg	90W	True Anamorphic 4:3 Imager Wide Latitude Ideal for HDR Proven Reliable, Post-Efficient Records ProRes in Log C, 709 or 709 w/ look; allows 3 independent MON outs: 709, 2020 or Log C. Option built-in wireless video	<i>Darkest Hour</i> <i>Game of Thrones</i> <i>Ocean's Eight</i> <i>Rampage</i> <i>Madam Secretary</i> <i>StarTrek: Discovery</i> <i>L'amant Double</i> <i>John Wick 2</i>	\$85,320 <i>(price includes other accessories such as EVF &amp; Wireless System)</i>
	<b>CMOS</b> 46.3mm Ø 41.0 x 21.6mm	800 Base	17+ Stops	w/ HDRx	1-60fps 7&8K 1-75fps 6K 1-96fps 5K 1-120fps 4K FPS increases when shooting 2.4:1	8K 8192 x 4320 7K 7168 x 3780 6K 6144 x 3240 5K 5120 x 2700 4K 4096 x 2160 2K 2048 x 1080	16 bit REDCODE 8KFF 5:1 512Mag -31 min 1TB SSD - 63 min (HDRx Cuts Time in Half)	8K FF 5:1 15.5 GB  6K FF 3:1 14.6 GB	3.3 lbs.  1.5 kg	60W	Internal Dual Record Compressed RAW w/ ProRes or DNX New DMC2 Body Design Netflix Approved	<i>Now Apocalypse</i> <i>Stranger Things</i> <i>The Tick</i> <i>Numerous National Commercials</i>	\$54,500
	<b>CMOS</b> 33.6mm Ø 28.3 x 18.2mm	800 Base	14+ Stops		OG - .75-30 ARRIRAW 16:9 .75-48 fps 4:3 ProRes .75-50 16:9 .75-200 6:5 ProRes.75-150 8:9 ProRes.75-150	OG 3424 x 2202 4:3 - 2880 x 2160 UHD 16:9 3840 x 2160 16:9 2048 x 1152 16:9 1920 x 1080	12 Bit ARRIRAW ProRes4444XQ UHD 512GB CFast - 38 min Records Classic ALEXA formats	Arriraw 16.6 GB  ProRes 8.7 GB	5 lbs.  2.3 kg	45W Body Only 75W With Acc	Super Lightweight Carbon Body ALEXA Sensor Latitude and HDR image quality Integrated Lens Motor Control Motorized ND filters Exchangeable Lens Mounts Perfect for Gimbals & Multicopters	<i>Blade Runner 2049</i> <i>Black Panther</i> <i>Shape of Water</i> <i>Tomb Raider</i> <i>The Affair</i> <i>Lethal Weapon</i> <i>Handmaid's Tale</i>	\$45,720
	<b>CMOS</b> 43.5mmØ 36.2 x 24.1mm	Dual 500 & 2500 Base	15+ Stops		6K <sup>1</sup> 3:2   1.85   2.39 24 30 30 4K 6:5   4:3   17:9 30 48 60	FF 6048 x 4032 <sup>1</sup> 6K 17:9 6054 x 3192 <sup>1</sup> 4K 6:5 4096 x 3432 4K 4:3 4096 x 3024 4K 4096 x 2160 UHD 3840 x 2160 HD 1920 x 1080	16 Bit XOCN ST 1TB AXS SSD - 60 Min	14 GB 6K 3:2 5 GB 4K 17:9	8.5 lbs.  3.9 kg	85W System 60W Body Only	6K Full Frame (36mm x 24mm) Sensor Dual Base ISO Operation PL Mount & Professional E-mount <sup>1</sup> 8 Step Internal motorized Optical ND Filter System Sensor extension option Lightweight magnesium body Netflix Approved	<i>Avatar Sequels</i> <i>Atypical</i> <i>Wine Country</i> Maroon 5's "Girls Like You"	\$42,000
	<b>CMOS</b> 27.8mm Ø 24.6 x 12.9mm	Dual 800 & 5000 Base	14+ Stops		<b>PURE &amp; V35</b> 1-120 fps VRaw & AVC-Intra 4K422 <b>VARICAM LT</b> AVC-Intra 4K422 1-30 & 1-60 (Ext)	4K 4096 x 2160 UHD 3840 x 2160 2K 2048 x 1080 HD 1920 x 1080	<b>VARICAM LT</b> AVC-I 422-4K, ProRes HD 512GB Express P2 Card 180 min -AVC-I 422-4K 124 min - ProRes HD	PURE 12.2 lbs. V35 11.4 lbs. LT 6 lbs.	PURE 3.5 kg V35 99W LT 47W	Exceptional Low Light Performance Clean Signal @ 5000 ASA LT RAW via Atomos Shogun Inferno & Convergent Design Odyssey 7Q & 7Q Netflix Approved	<i>Fahrenheit 451</i> <i>Ozark</i> <i>Sun Records</i> <i>13 Reason Why</i> <i>The Red Sea Diving Resort</i>	Pure \$48,000 V35 \$43,000 LT \$18,000	
	<b>CMOS</b> 27.1mmØ 24 x 12.7mm	1250 Base	14 Stops		1-120fps @ 4K 1-180fps @2K 1-180fps @HD 1-240 @2K Raw	4K 4096 x 2160 UHD 3840 x 2160 2K 2048 x 1080 HD 1920 x 1080	16 Bit 512GB AXSM 4K Raw- 60min 4K-X-OCNST - 84min XAVC 10 Bit 4:2:2 4K 2K HD	7.1 GB 4K RAW  2.3 GB 4K XAVC	7.7 lbs. 3.5 kg F55 & R7  4.9 lbs. 2.2 kg F55 Only	49W System 25W Body Only	Ultra Wide Color Gamut Lightweight & Small Profile 1250 ISO w/ Global Shutter 2x Anamorphic De-Squeeze 2K Mode Uses Full Sensor Netflix Approved	<i>The Crown</i> <i>Sense8</i> <i>Blacklist</i> <i>Big Bang Theory</i>	\$35,970  \$28,990 Body Only \$6,980 Recorder

<sup>1</sup>Future <sup>2</sup>Select Shots <sup>3</sup> Manufacturer's Published Spec

# 2018 CAMERA COMPARISON CHART

GARY ADCOCK & THOMAS FLETCHER		Imager (Actual Size)	ISO	Latitude <small>Manufacturer Published Spec</small>	Frame Rates	Pixel Resolution of Recorded Media	Recorded Bit Depth Format & Time <small>(Highest Internal Record @ 24 fps)</small>	Data (Per Min)	Weight (Body Only)	Power Draw	Highlighted Positives	Notable Credits	List Price <small>Camera Only (US Dollars) Sorted by</small>
	<b>CMOS</b> 27.2mm Ø 23.8 x 13.4mm	800 Base	14+ Stops	.75-60 fps - UHD .75-48fps - ARRIRAW .75-200fps- ProRes	3840 x 2160 3200 x 1800 2048 x 1152 1920 x 1080	12 Bit ARRIRAW 512GB CFast - 50 min  ProRes 4:4:4 XQ UHD 512GB CFast - 38 min	2.8K RAW 10GB  ProRes UHD 13.4GB	9.2 lbs.  4.1 kg	50W	ARRIRAW up 48fps w/ SUP and License Lightweight Comfortable Handheld 4K UHD & 3.2K Record Options Powerful In-Camera Color Grading 200 fps Slow Motion	<i>This is Us</i> <i>Ballers</i> <i>Fire at Sea</i> <i>The Ivory Game</i> <i>Chicago PD</i> <i>The Who - Tommy</i>	\$35,000	
	<b>CMOS</b> 32.6mm Ø 28.9 x 15.2mm	800 Base	15 Stops	1-60 4.5K 12bit RAW 1-100 4.5K 10bit RAW 1-60fps 4K 12bit RAW 1-120 4K 10bit RAW 1-60 4K 10bit XF-AVC 1-30 4K 10bit ProRes	4512 x 2376 4512 x 1920 4096 x 2160 3840 x 2160 2K & HD	12 Bit -RAW 10 Bit - XF-AVC YCC422 22 min 64GB ProRes 422 HQ 12 min 64GB Cinema RAW RAW Requires Codex Recorder	4.5K Raw 22GB  4K ProRes 5.3GB	7.6 lbs.  3.4 kg	75.2W RAW  59.1W ProRes	High Sensitivity / Low Noise Internal Motion Tracking DualPixel AutoFocus IP output over Ethernet C700FF Coming Soon Netflix Approved	<i>The Innocent Man</i> <i>Homeland</i> <sup>2</sup> <i>The Ritual</i> <sup>2</sup>	\$28,000 Body only \$6,995 Codex	
	<b>CMOS</b> 33.8mm Ø 29.9 x 15.8mm	800 Base	16.5+ Stops  w HDRx	1-60fps 7&8K 1-75fps 6K 1-96fps 5K 1-120fps 4K FPS increased when shooting 2.4:1	8K 8192 x 4320 7K 7168 x 3780 6K 6144 x 3240 5K 5120 x 2700 4K 4096 x 2160 2K 2048 x 1080	16 Bit REDCODE - 8K FF @ 5:1 512GB SSD - 31 min 1TB SSD - 63 min (HDRx Cuts Time in Half)	8K FF 5:1 15.5 GB	3.3 lbs.  1.5 kg	60W	Internal REDCODE RAW Compressed Internal Dual Record Compressed Raw w/ ProRes or Avid DNx Codecs New DSMC2 Body Design Netflix Approved	<i>Mortal Engines</i> <i>Mindhunter</i> <i>Future Man</i> <i>The OA</i> <i>Unbreakable</i> <i>Kimmy Schmidt</i>	\$24,500	
	<b>CMOS</b> 35.6mm Ø 30.7 x 18mm	800 Base	16.5+ Stops  w HDRx	1-75fps 5K 1-120fps 4K DCI 1-240fps 2K FPS increased when shooting 2.4:1	5K 5120 x 2700 4K 4096 x 2160 3K 3072 x 1620 2K 2048 x 1080	16 Bit REDCODE - 5K FF @ 2:1 512GB SSD - 44 min 1TB SSD - 87 min (HDRx Cuts Time in Half)	5K FF 2:1 15.1 GB	3.3 lbs.  1.5 kg	60W	Exceptional in Low Light ProRes & DNxHD In cam Record 240fps Slow Motion Larger Sensor Good for Anamorphic New DSMC2 Body Design Netflix Approved	<i>33 ISOLE</i>  Newly Released Camera More Credits Coming Soon	\$19,500	
	<b>CMOS</b> 27.1mm Ø 23.5 x 13.7mm	2000 Base	14 Stops	1-60fps @ 4K 1-180fps @HD	4K 4096 x 2160 UHD 3840 x 2160 HD 1920 x 1080	10 Bit 4:2:2 XAVC-I HD, UHD XQD 128GB = 55min ProRes 4:2:2 HQ XQD 128GB = 74min	2.3GB 4K XAVC	4.5 lbs.  2.0 kg	19W	Pro Res HD Workflow Option External 12bit 4KRaw Record Electronic Vari ND Filter 240fps at 2K RAW External Netflix Approved	<i>Amazing Race</i> <i>Closed Course</i> <i>Family Life</i> <i>Annabelle Hooper - Ghosts of Nantucket</i>	\$13,199	
	<b>CMOS</b> 29.8mm Ø 26.4 x 13.8mm	800 Base	15 Stops	1-120 fps @ 2K/HD 1-30 fps @ 4K/UHD	4096 x 2160 3840 x 2160 2048 x 1080 1920 x 1080	12/10 Bit RGB XF-AVC-Intra 4:4:4 128GB CFast - 75 min 10 Bit YCC 4:2:2 XF-AVC Intra 128GB CFast - 40 min	2K 1.7 GB  4K 3.1 GB	4.4 lbs.  2.9 kg (PL Version)	21.2W	Canon Log 3 HDR Exposure Latitude Exceptional Sensitivity Canon RAW via external recorder 2/4/6/8/10 Stop ND Filters Netflix Approved	<i>Before the Flood</i> <i>Grace and Frankie</i> <i>I Love Dick</i> <i>Our Souls at Night</i> <i>RBG</i> <i>Transparent</i>	\$11,999	
	<b>CMOS</b> 29.8mm Ø 24.6 x 13mm	800 Base	14 Stops	1-30 @ 5.7K External RAW 1-60 @ 4K/UHD 1-240 @ 2K/HD	5720x3016 External RAW 4096 x 2160 3840 x 2160 2K 1080p 720p	All-I 400 MOV 10bit 4:2:2 128GB - 40 min Mov/AVHD 8bit 4:2:0 H.264/MP4 AVCH	4K 3.2 GB	2.6 lbs.  1.2 kg	19W	Dual Native ISO 5.7K/4K/2K RAW out to ext. recorder V-Log/V-Gamut, HLG mode - Live HDR Affordable SD card media Netflix approved	<i>Various Fashion, Commercials, Music Videos, lifestyle show and documentaries</i>	\$7,495	
	<b>CMOS</b> 29.1mm Ø 25.3 x 14.2mm	800 Base	15 Stops	12-60 fps 4.6K 12-120fps 2K & HD (Windowed)	Cinema DNG & Pro Res 4.6K 4608 x 2592 4.6K 2.40 4608 x 1920 4K 16:9 4096 x 2304 4K DCI 4096 x 2160 UHD, 3K ANA, 2K & HD	12 Bit (Log) Cinema DNG 512GB CFast 4.6K Lossless RAW -25 min 4.6K RAW 3:1 - 48 min 4.6K ProRes XQ - 27 min	10.6 GB RAW 3:1  7.75 GB 4.6K ProRes	5 lbs.  2.3 kg	45W	4.6K Sensor w/ High Dynamic Range 12bit RAW & ProRes to CFast or SD Internal ND Filters: 2, 4, 6 stops Changeable EF, PL, F & B4 mounts Includes DaVinci Resolve Studio Netflix Approved	<i>ID: Resurgence</i> <sup>2</sup> <i>The Fosters</i> <sup>2</sup> <i>The Resident</i> <sup>2</sup> <i>Three Billboards</i> <sup>2</sup> <i>Let's Play 2   Pearl Jam</i>	\$5,995	
	<b>Full Aperture</b> 31.1mm Ø 24.9 x 18.1mm	500 Base	15-16 Stops	1-150 fps Arri 435 1-60 fps Sync Sound Body	6K 4K 2K Uncompressed (via Scanner)	16 Bit (Linear) 10 Bit (Log) 3P 14m48s 1000' 4P 11m06s 1000'	N/A	25 lbs. 11.3 kg	55W ARRICAM	4:4:4 Color Sampling Established Workflow Widest Available Latitude Proven Archival Value Netflix Approved	<i>Star Wars- Last Jedi</i> <i>I.Tonya</i> <i>Baby Driver</i> <i>Westworld</i> <i>Walking Dead</i> 16mm	.77¢ per foot	

<sup>1</sup>Future <sup>2</sup>Select Shots <sup>3</sup> Manufacturer's Published Spec