

EOS R5C

READY FOR ANYTHING

The Canon EOS R5 C is a professional video-first hybrid solution, combining the worlds of Cinema EOS and EOS R into one. It sits below the EOS C70 in the Cinema range, and alongside the EOS R5. It is also the perfect companion to the RF 5.2mm F2.8L Dual Fisheye lens.



- 8K cinematic full frame video
- Incredible 45 megapixel stills at up to 20fps
- Extensive lens choice
- Fast, accurate, reliable focusing
- Extensive professional recording formats and tools
- A compact, lightweight design with active cooling
- A wealth of connectivity



PRODUCT RANGE



EOS C70

EOS C70
EOS R5 C
EOS R5



EOS R5 C



EOS R5

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TECHNICAL SPECIFICATIONS

EOS R5C

IMAGE SENSOR

Image Sensor Type System	3:2 Full Frame CMOS sensor (36 x 24mm) RGB primary colour filter (Bayer array)
Sensor Modes	Full Frame (8K) / Super 35mm (Crop) / Super 16mm (Crop)
Total Pixels	Approx. 47.10 megapixels
Effective Pixels	Video Mode: Approx. 35.40 megapixels (8192 x 4320): When resolution is 8192 x 4320, 4096 x 2160, or 2048 x 1080 Approx. 33.20 megapixels (7680 x 4320): When resolution is 7680 x 4320, 3840 x 2160, or 1920 x 1080 Photo Mode: Approx. 45 megapixels (8192 x 5464) 36.0 x 19.0 mm (40.7 mm on the diagonal): When resolution is 8192 x 4320, 4096 x 2160 or 2048 x 1080 33.8 x 19.0 mm (38.8 mm on the diagonal): When resolution is 7680 x 4320, 3840 x 2160, or 1920 x 1080
Effective Sensor Screen Size	36.0 x 19.0 mm (40.7 mm on the diagonal): When resolution is 8192 x 4320, 4096 x 2160 or 2048 x 1080 33.8 x 19.0 mm (38.8 mm on the diagonal): When resolution is 7680 x 4320, 3840 x 2160, or 1920 x 1080
Dynamic Range	Canon Log 3: 1600% / 14 stops (at ISO 800) Wide DR: 800% (at ISO 400)

IMAGE PROCESSOR

Image Processor Type	DIGIC X
LENS	
Lens Mount	Canon RF mount Compatible lenses: All RF lenses and EF lenses (includes EF-S lenses/EF cinema lenses)
Lens Magnification Factor	Full Frame: Actual focal length x approx. 1.0 Super 35mm (Crop): 5952x3140, 4096x2160 or 2048x1080 resolution: Actual focal length x approx. 1.460 3840x2160, 1920x1080 or 1270x720 resolution: Actual focal length x approx. 1.534 Super 16mm (Crop): In 2976x1570 or 2048x1080 resolution: Actual focal length x approx. 2.920 In 1920x1080 or 1270x720 resolution: Actual focal length x approx. 3.069
Peripheral Illumination Correction	Yes
Chromatic Aberration Correction	Yes
Distortion Correction	Yes, RF Mount lenses only
Diffraction Correction	Yes
ND Filter	No
Focus Control	Via lens, Browser Remote, Camera Connect or EOS Utility
Iris Control	1/2-stop, 1/3-stop or FINE control
Cooke/i technology Support	No
Anamorphic Lens Support	Yes, x2.0 / x1.8 / x1.3
Image Stabilization System	Yes, 5-axis Electronic IS. Coordinates with supported lenses featuring optical-IS for optimal performance

RECORDING

Internal Recording Media	1x CFexpress card (CFexpress 2.0 Type B) 1x SD card (SD/SDHC/SDXC) (SD Card recording available at bitrates up to 650 Mbps)
Recording Time^[1]	Cinema RAW Light LT: 8192 x 4320 1070 Mbps: 63 Mins Cinema RAW Light ST: 8192 x 4320: 1650 Mbps 41 Mins Cinema RAW Light HQ: 5952 x 3140: 1770 Mbps 38 Mins XF-AVC / MXF: 4096x2160: 410 Mbps 156 Mins MP4 (HEVC): 4096x2160: 225 Mbps 285 Mins MP4 (H.264): 4096x2160: 150 Mbps 428 Mins
Recording Formats	Video Mode: Cinema RAW Light (CRM): 12-bit RAW XF-AVC (MXF): 4:2:2 10-bit (ALL-I or Long GOP) HEVC (MP4): 4:2:2 10-bit / 4:2:0 10-bit H.264 (MP4): 4:2:0 8-bit Photo Mode: RAW / C-RAW / Dual Pixel RAW ^[1] / HEIF ^[2] / JPEG
Relay Recording	Yes
Double Slot Recording	Yes

Simultaneous Recording

System Frequency Frame Rates	59.94Hz mode (59.94P / 59.94i / 29.97P / 23.98P) 50.00Hz mode (50.00P / 50.00i / 25.00P) 24.00 Hz mode (24.00P)
Cinema RAW Light	12-bit Cinema RAW Light LT: 8192 x 4320 / 50P / 2140 Mbps: approx. 31 Mins 8192 x 4320 / 25P / 1070 Mbps: approx. 63 Mins 5952 x 3140 / 50P / 1140 Mbps: approx. 59 Mins 5952 x 3140 / 25P / 556 Mbps: approx. 122 Mins 2976 x 1570 / 50P / 287 Mbps: approx. 237 Mins 2976 x 1570 / 25P / 144 Mbps: approx. 474 Mins 12-bit Cinema RAW Light ST: 8192 x 4320 / 25P / 1650 Mbps: approx. 41 Mins 5952 x 3140 / 50P / 1750 Mbps: approx. 39 Mins 5952 x 3140 / 25P / 871 Mbps: approx. 78 Mins 2976 x 1570 / 50P / 441 Mbps: approx. 154 Mins 2976 x 1570 / 25P / 221 Mbps: approx. 308 Mins 12-bit Cinema RAW Light HQ: 5952 x 3140 / 25P / 1770 Mbps: approx. 38 Mins 2976 x 1570 / 50P / 896 Mbps: approx. 76 Mins 2976 x 1570 / 25P / 448 Mbps: approx. 152 Mins 4:2:2 10-bit (Intra-frame): ^[3] 4096x2160 or 3840x2160 / 50P / 810 Mbps: approx. 79 Mins 4096x2160 or 3840x2160 / 25P / 410 Mbps: approx. 156 Mins 2048x1080 or 1920x1080 / 50P or 50i / 310 Mbps: approx. 207 Mins 2048x1080 or 1920x1080 / 25P / 160 Mbps: approx. 401 Mins 4:2:2 10-bit (Long GOP): 4096x2160 or 3840x2160 / 50P / 260 Mbps: approx. 246 Mins 4096x2160 or 3840x2160 / 25P / 160 Mbps: approx. 401 Mins 2048x1080 or 1920x1080 / 50P or 50i / 50 Mbps: approx. 1284 Mins 2048x1080 or 1920x1080 / 25P / 50 Mbps: approx. 1284 Mins HEVC 4:2:2 10-bit (Long GOP): ^[4] 8192x4320 or 7680x4320 / 25P / 540 Mbps: approx. 118 Mins 4096x2160 or 3840x2160 / 50P / 225 Mbps: approx. 285 Mins 4096x2160 or 3840x2160 / 25P / 135 Mbps: approx. 475 Mins 2048x1080 or 1920x1080 / 50P or 25P / 50 Mbps: approx. 1284 Mins HEVC 4:2:0 10-bit (Long GOP): 8192x4320 or 7680x4320 / 25P / 400 Mbps: approx. 160 Mins 4096x2160 or 3840x2160 / 50P / 170 Mbps: approx. 377 Mins 4096x2160 or 3840x2160 / 25P / 100 Mbps: approx. 642 Mins 2048x1080 or 1920x1080 / 50P or 25P / 35 Mbps: approx. 1834 Mins H.264 4:2:0 8-bit (Long GOP): 4096x2160 or 3840x2160 / 50P or 25P / 150 Mbps: approx. 428 Mins 2048x1080 or 1920x1080 / 50P or 25P / 35 Mbps: approx. 1834 Mins XF-AVC 4:2:0 8-bit (Long GOP) 2048 x 1080 or 1920 x 1080 / 50P / 35 Mbps 2048 x 1080 or 1920 x 1080 / 25P / 24 Mbps H.264 MP4 4:2:0 8-bit (Long GOP) 2048 x 1080 or 1920 x 1080 / 50P or 25P / 9 Mbps 8K recording up to 30FPS (60FPS with external power) 4K / FHD recording: up to 120FPS Audio recording and auto-focus options available. Yes Yes Yes, 3 seconds (XF-AVC or MP4 recording only)
XF-AVC Recording Bit Rate/Sampling (PAL)	
MP4 Recording Bit Rate/Sampling (PAL)	
Proxy Recording Bit Rate/Sampling (PAL)	
Slow Fast Motion	
Interval Record Frame Record Pre Record	



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TECHNICAL SPECIFICATIONS

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Photo Recording Size	3:2 ratio: (L, RAW, C-Raw) 8192x5464, (M1) 5808x3872, (S1) 4176x2784, (S2) 2400x1600 1.6x (crop): (L) 5088x3392, (S2) 2400x1600 4:3 ratio: (L) 7280x5464, (M1) 5152x3872, (S1) 3712x2784, (S2) 2112x1600 16:9 ratio: (L) 8192x4608, (M1) 5808x3264, (S1) 4176x2344, (S2) 2400x1344 1:1 ratio: (L) 5456x5456, (M1) 3872x3872, (S1) 2784x2784, (S2) 1600x1600	User Assignable Buttons	13 Assignable buttons (numbered) on camera body. In excess of 80 options via the menu
SYSTEM		MISCELLANEOUS	
Display Type	3.2 inch 3:2 LCD Touch Panel	Tally Lamp	Yes
Display Resolution	2.1 million dots	Custom Dial	3x Electronic Dials + Multi-controller
Display Touch Screen Functions	Focus point selection, Shooting setting adjust, Start/Stop recording (activated via Menu)	EXPOSURE	
OSD Vertical Shooting	Yes, 90-degree rotation	Exposure Metering	Video Mode: Standard, Backlight, Spotlight
Wave Form Monitor	Yes, LCD, EVF or HDMI		Photo Mode: Evaluative, Partial, Spot, Centre Spot, AF-point Linked, Centre weighted average
False Colour Display	Yes, LCD, EVF or HDMI (Use of viewing LUT will affect false colour display)	Exposure Compensation	Yes
Colour Bars	SMPTE, EBU and ARIB	Auto Exposure Mode	Yes (Video mode: Auto Iris / ISO)
Peaking	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable)	Push Auto Iris	Yes
Zebra	Level 1; Level 2; Both Output via HDMI: Yes	Exposure Lock	Yes
Markers	On/Off selectable: centre, horizontal, grid, aspect, safety zone, rectangular and user marker. Colour selectable, yellow, blue, green, red, black, grey or white.	Auto Gain Control Setting	Yes
		ISO Sensitivity	Video Mode: ISO 100 to ISO 25,600 / 102,400* (increments of 1 or 1/3 stop) * When the sensitivity is expanded
EVF		Auto Focus System	Photo Mode: ISO 100 to ISO 51,200 / 102,400* (increments of 1 or 1/3 stop) * When the sensitivity is expanded
Built In EVF	0.5-inch OLED colour EVF, 5.76 million dots	AF Frame Sizes	Video Mode: Dual Pixel CMOS AF with Eye AF and EOS iTR AF X
Optional EVF Accessory	N/A		Photo Mode: Dual Pixel CMOS AF II Large; size equivalent to approx. 20% (vertical) x 25% (horizontal) of the image display range Small; size equivalent to approx. 20% (vertical) x 8% (horizontal) of the image display range Whole Area; size equivalent to approx. 80% of sensor
INPUTS / OUTPUTS		Auto Focus Modes	One-Shot AF, Continuous AF, Continuous AF: Only Near Focus
Audio In	1x 3.5mm mic input 1x Built-in mono microphone (XLR input available via TASCAM CA-XLR2d-C accessory)	Face Detection AF	Face Priority, Face Only, Eye AF
Headphone Output	1x 3.5 mm stereo output	Focus Guide	For manual focus assist with compatible Canon RF mount, EF mount, Cine Servo Lenses
Video Monitor Output	No	Gain Setting	-6 dB to 42 dB / 54 dB* (Normal or Fine increments) * When the sensitivity is expanded
HDMI	1x micro-HDMI (8K RAW output available) ⁽⁵⁾	SHUTTER	
USB	1x USB-C (3.2 Gen1) for power, charging and communication (UVC Video output / Content Transfer Mobile App)	Control Modes	Video Mode: Off; Speed; Angle; Clear Scan; Slow
SDI Output	No		Photo Mode: Mechanical, Elec. 1st-curtain, Electronic
Time Code	1x DIN 1.0/2.3 (Input/Output)	Shutter Speed	Video Mode: 1 sec to 1/2000 depending on frame rate and Shutter Control Mode, 39 setting options
Genlock	No		Photo Mode: 30-1/8000 sec (1/2 or 1/3 stop increments) Bulb (Total shutter speed range. Available range varies by shooting mode)
Sync	1x Flash Sync	Shutter Angle	11.25° to 360° depending on frame rate
DC Output	No	Slow Shutter SLs	1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate
DC Input	Yes, via DR-E6C DC Coupler	Clear Scan	24.00 Hz ⁽⁶⁾ to 250.40 Hz
Remote Control Terminal	1x N3-type terminal	CUSTOM PICTURE	
Wireless Control Terminal	Available via WFT-R10 Accessory	Stored Configurations	Video Mode: C1: BT.709 Wide DR (BT.709 Gamut) C2: Canon Log 3 (Cinema Gamut) C3: PQ (BT.2020 Gamut) C4: HLG (BT.2020 Gamut) C5: BT.709 Standard (BT.709 Gamut) C6: EOS Standard (BT.709 Gamut) C7: EOS Neutral (BT.709 Gamut) USER8 to USER20 (Wide DR / BT.709 Gamut)
Lens Terminal	No		Photo Mode: Auto / Standard / Portrait / Landscape / Fine Detail / Neutral / Faithful / Monochrome / User Defined (x3)
Ethernet Terminal	Available via WFT-R10 Accessory	Colour Matrix	CUSTOM PICTURE: Colour Matrix Phase, Gain and RGB adjustment, in tandem with Gamma selection
IP Streaming FTP	Yes, available via WFT-R10 Accessory Protocol: UDP, RTP and RTP+FEC	Master Pedestal	-50 to +50
Use LUT Input	Yes, in-built LUTs/View Assist available for LCD/EVF/HDMI Monitoring. Custom LUTs can be applied directly to internal recordings via Look File function (compatible with 17 or 33 grid .cube files).		
Video Connector	No		
Default Function Button Settings	1. One-Shot AF 2. Magnification 3. DISP 4. Menu 5. Push Auto Iris 6. AF lock 7. Assignable Button Menu 8. Display Panel Info 9. Key Lock 10. (Unassigned) 11. FUNC 12. (Unassigned) 13. Set White Balance		

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TECHNICAL SPECIFICATIONS

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Master Black	Adjustable for each channel RGB -50 to +50 plus Master Black -50 to +50
Black Gamma	Adjustable Level -50 to +50, Range -20 to +50 and Point -20 to +50
Low Key Saturation	Adjustable: -50 to +50
Knee	Point -50 to +109, Slope -35 to +50, Saturation -10 to +10
Sharpness	Adjustment for Level, H Detail Freq., Coring, HV Detail Balance, Limit, Select, Knee Aperture and Level dependent sharpness
Noise Reduction	Off, On - Three Options: Automatic (ON/OFF) / Spatial Filter (1-12) / Frame Correlation (1-3)
Skin Detail	Off, Low, Middle, High / Hue, Chroma, Area, Luminance, 32 steps
Selective Noise Reduction	Off, Low, Middle, High / Hue, Chroma, Area, Luminance.
Colour Matrix	Phase, Gain and RGB adjustment, in tandem with Gamma selection
White Balance	AWB, USER setting 01 (setting range: 2000K to 15000K / -20CC to +20CC), daylight, tungsten, settings (A/B)
Colour Correction	Area selection / area revision of two areas
Setup Level	-50 to +50 On/Off

WI-FI & GPS SPECIFICATIONS

WiFi	Video Mode: Requires WFT-R10 Accessory Supports Browser Remote / Content Transfer Mobile / IP Streaming Photo Mode: Built-in Wireless LAN (IEEE802.11a/b/g/n/ac) (5GHz / 2.4 GHz), with Bluetooth 4.2 support Supports EOS Utility / Camera Connect / image.canon
GPS	Requires GP-E2 Accessory Latitude/Longitude/Elevation, Coordinated Universal Time (UTC)
WHITE BALANCE	
White Balance Auto	Yes
White Balance Preset	Video Mode: Daylight (5400K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B Photo Mode: AWB, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash, Kelvin, Custom
White Balance Matching	
White Balance Shift	Video Mode: -9 to +9 (Daylight and Tungsten only) Photo Mode: -9 to +9 (Blue/Amber) -9 to +9 (Magenta/Green)

BLACK BALANCE

Black Balance Adjustment	Yes
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TIME CODE

Count Up System	Regen, RecRun, Free Run, External, Hold (Drop frame available for some frame rates)
Start Value Setting	"00:00:00:00", Set/Reset selectable

AUDIO

Audio Recording Format	Cinema RAW Light or XF-AVC: Linear PCM (24-bit / 48 kHz, 4 channels) MP4: MPEG-2 AAC LC (16-bit, 48 kHz, 2-channel) / Linear PCM (16-bit, 48 kHz, 4-channel)
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ACCESSORIES

Accessories Supplied	Battery Pack LP-E6NH Battery Charger LC-E6 Shoulder Strap USB-C Cable Cable Protector AC Cable
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Accessories Optional

Canon Battery Pack LP-E6NH/LP-E6N//LP-E6
Canon Battery Charger LC-E6
Canon Battery Grip BG-R10
Canon DC Coupler DR-E6C
Canon AC Adapter CA-946
Canon USB Power Adapter PD-E1
Canon Wireless File Transmitter WFT-R10
Canon Interface Cable IFC-100U/IFC-400U
Canon Shoulder Strap SS-1200
Canon GPS Receiver GP-E2
Canon RF lenses, EF lenses, EF cinema lenses, and accessories designed for these lenses
Canon Mount Adapter EF-EOS R
Canon Control Ring Mount Adapter EF-EOS R
Canon Drop-In Filter Mount Adapter EF-EOS R (w/ drop-in variable ND filter A and circular polarizing filter A)
Canon Mount Adapter EF-EOS R 0.71x
Canon Extender RF1.4x
Canon Extender RF2x
Canon Remote Controller RC-6
Canon Wireless Remote Controller BR-E1
Canon Remote Switch RS-80N3
Canon Timer Remote Controller TC-80N3
Canon Directional Stereo Microphone DM-E1 / DM-E1D
Canon Stereo Microphone DM-E100
TASCAM CA-XLR2d-C XLR Adapter

Accessories Third Party

POWER SOURCE

Power Supply Battery	LP-E6NH Battery Pack (Supplied) / LP-E6N and LP-E6 (Compatible)
Power Supply Mains	USB-C Power Adapter PD-E1 DC Coupler DR-E6C AC Adapter CA-946
Power Consumption	8K RAW 25P (10.5W) 8K MP4 25P (11.2W) 4K HEVC 50P (12.9W) 4K XF-AVC 50P (13.3W)
Recording Time	With supplied LP-E6NH battery pack: 8K RAW 25P: 50 Mins 8K MP4 25P: 45 Mins 4K HEVC 50P: 40 Mins 4K XF-AVC 50P: 35 Mins

PHYSICAL SPECIFICATIONS

Dimensions Main Body Only

Weight Body Only	approx. 142 x 101 x 111 mm
Weight Accessories	approx. 680g
Operating Temperature Range	approx. 770g (LP-E6NH, CFexpress Card, SD Card) approx. 0 to 40°C, (85% relative humidity) approx. -5 to 45°C, (60% relative humidity)

Footnote :

- ^[1] Based on 25P recording on a 512GB card
- ^[2] RAW / C-RAW / Dual Pixel RAW files are 14-bit with Mechanical shutter / Electronic 1st Curtain, 13-bit A/D conversion with H+ mode and 12-bit A/D conversion with Electronic shutter
- ^[3] 10-bit HEIF images in PQ HDR mode
- ^[4] Recording time based on 512GB card
- ^[5] ProRes RAW Recording with Atomos Ninja V+ external recorder
- ^[6] The frequency will differ depending on the frame rate setting.



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Canon Europa NV 2022