

# EVO II ENTERPRISE PAYLOAD COMPARISON



**EVO II Dual R**  
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**EVO II Pro**  
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**EVO II Dual 640T**  
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## CAMERA

<b>Image Sensor</b>	1/2" CMOS	1" CMOS	1/2" CMOS
<b>Pixels</b>	48MP	20MP	48MP
<b>Perspective</b>	82°	82°	79°
<b>Lens</b>	EFL: 25.6 mm Aperture: f/2.8-f/11 Focus Distance: 0.5m to any distance (with autofocus mode)	EFL: 28.6 mm Aperture: f/2.8-f/11 Focus Distance: 1m to any distance (with autofocus mode)	EFL: 25.6 mm Aperture: f/2.8-f/11 Focus Distance: 0.5m to any distance (with autofocus mode)
<b>ISO Range</b>	Video: 100-6400 (auto) Photo: 100-3200 (auto)	Video: 100-6400 (auto) Photo: 100-12800 (auto)	Video: 100-6400 (auto) Photo: 100-3200 (auto)
<b>Zoom</b>	1-8x (Max 4x lossless)	1-8x (Max 3x lossless)	1-8x (Max 4x lossless)
<b>Still Photography Modes</b>	Single Shot Burst: 3/5 shots Auto Exposure Bracketing (AEB) Time-lapse: 3/5 shots	Single Shot: Burst shooting: 3/5 frames Automatic Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias Timelapse: JPG: 2s/5s/7s/10s/20s/30s/60s DNG: 5s/7s/10s/20s/30s/60s HyperLight: support (under 4K JPEG format) Long Exposure: Max 8s HDR imaging: (under 4K JPEG)	Single Shot Burst: 3/5 shots Auto Exposure Bracketing (AEB) Time-lapse: 3/5 shots
<b>Still Photography Resolution</b>	8000*6000 (4:3) 7680*4320 (16:9) 4000*3000 (4:3) 3840*2160 (4:3)	5472*3648 (3:2) 5472*3076 (16:9)	8000*6000 (4:3) 7680*4320 (16:9) 4000*3000 (4:3) 3840*2160 (16:9)
<b>Video Format</b>	MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)	MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)	MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)
<b>Video Resolution</b>	8K 7680*4320 p25/p24 6K 5760*3240 p30/p25/p24 4K 3840*2160 p60/p50/p48/p30/p25/p24 2.7K 2720*1528 p120/p60/p50/p48/p30/p25/p24 1080P 1920*1080 p120/p60/p50/p48/p30/p25/p24	6K 5472*3076 p30/p25/p24 4K 3840*2160 p60/p50/p48/p30/p25/p24 2.7K 2720*1528 p120/p60/p50/p48/p30/p25/p24 1080p 1920*1080 p120/p60/p50/p48/p30/p25/p24	8K 7680*4320 p25/p24 6K 5760*3240 p30/p25/p24 4K 3840*2160 p60/p50/p48/p30/p25/p24 2.7K 2720*1528 p120/p60/p50/p48/p30/p25/p24 1080P 1920*1080 p120/p60/p50/p48/p30/p25/p24
<b>Max Bitrate</b>	120Mbps	120Mbps	120Mbps



**EVO II <sup>Dual</sup>**  
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**EVO II <sup>Dual</sup> 640T**  
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**THERMAL CAMERA**

Infrared camera sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
Sensor resolution	EVO II Dual (640) 640x512	Infrared mode: 640*512 Picture in Picture: 1920*1080, 1280*720
Pixel pitch	12 μm	12 μm
Wavelength range	7.5~13.5 μm	8~14 μm
Focal Length	-	13mm
FOV	EVO II Dual (640) 32°	H33°V26°
Thermal Sensitivity/NEΔT	<50 mK	-
Zoom	1 ~ 8x	1 ~ 8x
Still Photography Modes	Single shot, burst and timelapse	Single shooting, continuous shooting, time-lapse shooting
Still Photography Resolution	IR: 640*512 PIP: 1920*1080, 1280*720	MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Video Format	MOV/MP4 (H.264/H.265 supported)	MOV / MP4 (support H.264/H.265)
Video Resolution	640*512 30Hz (US) 640*512 9Hz (other regions)	640*512 30fps
Temperature measurement accuracy	-	±3 or ±3% of reading (whichever is greater) @ambient temperature -20°C-60°C
Temperature range	-	High gain mode: -20° to +150°C Low gain mode: 0° to +550°C
Accurate temperature measurement distance	-	2-20 meters
Manufacturer	FLIR Boson	InfiRay