



**Utility Associates, Inc. - Model Specifications
EOS, ROCKET, and POLARIS, A Total Video Evidence Solution**

Section 1 – EoS by Utility™ Body Worn Camera		
ID	Requirement	Satisfaction
1.1	Format. EOS camera records video in H.264/MPEG-4 Part 10 compression standard format.	Meets Requirement
1.2	Recording Time. EOS camera supports a minimum of 8 hours (up to 10 hours depending on conditions) of constant recording before requiring a battery recharge.	Meets Requirement
1.3	Robust Connectivity. EOS camera supports built-in WiFi and cellular offload of video, transmission of GPS location data, and receipt of communications from the Evidence Management Software.	Meets Requirement
1.4	Durability. As part of Utility's latest drop test, EOS camera performance remains operational after a 6-foot drop. EOS is designed to withstand the wide range of conditions officers will encounter in the field, including falls, foot chases, and physical altercations. EOS features a water repellent design with P2i nano coating and automatically adjusts to lighting conditions and able to record video in full sunlight, low light, night, or severe weather conditions. The EOS solution includes a physical protective mounting system that keeps it securely holstered and integrated into the uniform and has been proven to protect against typical exposure conditions (e.g., dirt, dust, and water contact). The only device that has proven to remain in place – it will not fall off like all other cameras routinely do.	Meets Requirement
1.5	Resolution. EOS camera records video in a maximum resolution of 1080P.	Meets Requirement
1.6	Photographs. EOS camera captures still photographs and automatically imports those images into our POLARIS digital evidence management software.	Meets Requirement



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1.7	<p>Configurable Triggers, Including:</p> <ul style="list-style-type: none"> ● Holster Pull. EOS camera will automatically turn on if holster pull is detected. ● Foot Pursuit. EOS camera will automatically turn on if the Officer is involved in a foot pursuit or physical altercation. ● Running. EOS camera will automatically turn on if the Officer is running. ● Light Bar. EOS camera will automatically turn on if the vehicle’s light bar is activated. ● Shotgun Rack. EOS camera will automatically turn on if a firearm is removed from the vehicle’s shotgun rack. ● CAD Dispatch. Dispatched calls can be used as video recording triggers, using time and location to trigger only those devices that are in the call’s location within a set time period. This may be used to automate video recording start or stop. Such CAD related videos are automatically tagged with the call number without the user having to do anything. This will also classify the video by call type and will set the appropriate retention time for the video as well. ● Action Zones. Administrators will be able to create action zones which trigger video to start recording automatically. For instance, an administrator could create an action zone associated with an active shooter event. As soon as the vehicle enters that particular action zone, the EOS would automatically start recording without any interaction required from the driver. ● Door. EOS camera will automatically turn on if an Officer opens the vehicle door. ● Siren. EOS camera will automatically turn on if a vehicle’s siren is activated. ● Officer Down. EOS camera will automatically turn on if the Officer goes down without requiring the Officer to activate a manual on-trigger, and the location of the Officer will be transmitted to every Officer in a predefined radius, with turn-by-turn map-based instructions to that Officer's location. 	Meets Requirement



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1.8	First-Rate Mounting. EOS camera will remain reliably mounted to the Officer during a physical altercation, and in foot pursuits, and provide usable recorded video in such circumstances. EOS can be integrated into the officer’s uniform ballistic vest as part of an initial uniform deployment. EOS can be mounted into or onto foul weather gear, outerwear jackets, and crossing guard uniforms. Utility also provides molle mount options for mounting on the exterior of SWAT type tactical gear.	Meets Requirement
1.9	Review and Classification. EOS camera includes a 1080P display touch screen for review and classification of video directly on the body camera.	Meets Requirement
1.10	Vibrate Notifications. EOS camera includes programmable tactile feedback vibration patterns for message receipt and to notify the officer when the device is recording.	Meets Requirement
1.11	Charging Options. EOS camera is able to be charged via an included vehicle charger or a wall charger.	Meets Requirement
1.12	Duty Modes. EOS camera includes On-Duty and Off-Duty modes controlled by the officer through the camera interface.	Meets Requirement
1.13	Audio Alerts. EOS camera includes Audio Prompts to notify an officer when the camera is recording and when it receives BOLO alerts.	Meets Requirement
1.14	Adjustable Prompts. EOS camera includes audio prompts and text to speech controlled through software configuration rules.	Meets Requirement
1.15	Unique Classifications. EOS camera supports custom Video Classification types in accordance with departmental guidelines.	Meets Requirement
1.16	In-Vehicle Microphone. EOS camera operates as the in-vehicle video system microphone.	Meets Requirement
1.17	Secure Uploads. EOS camera uploads video directly to the In-Car Camera storage system via a secure and encrypted WiFi connection. All evidence is encrypted at rest on the EOS and ROCKET, in transit to cloud storage, and while being maintained in cloud storage.	Meets Requirement
1.18	Direct Inputs. EOS camera provides for the direct user input of Notes, Video Classifications, and other metadata for both videos and still photographs through an interactive touch screen on the body camera, without requiring pairing to a separate device.	Meets Requirement



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1.19	Flexible Activation. EOS camera supports activation by touchscreen interface through the use of a Bluetooth trigger or equivalent initiation device.	Meets Requirement
1.20	Automatic Updates. EOS camera supports "Over the Air" wireless software update and configuration rule software changes, where the operation and capabilities can be changed for one EOS camera, a group of EOS cameras, or all EOS cameras for the Department.	Meets Requirement
1.21	Automatic Login. EOS camera supports automatic officer login to ensure the officer wearing the camera is logged into the camera during the shift.	Meets Requirement
1.22	Prioritize Uploads. EOS camera has the option to offload video classified as "high priority" immediately over a cellular network, either directly from the body camera, or via the vehicle router, for immediate review and access by authorized parties within the Department.	Meets Requirement
1.23	Access Points. The EOS Camera and In-Car video system has the ability to offload video directly to a departmentally approved access point from the vehicle or the body camera via a secure wireless connection and without the need for a hard-wired connection, physical docking of the camera, separate storage device, or USB drive.	Meets Requirement

Section 2 – Rocket by Utility™ In-Car Video and Communications System

ID	Requirement	Satisfaction
2.1	Multiple Cameras. ROCKET supports up to four high-definition IP cameras and local recording for at least 50 hours before video must be offloaded.	Meets Requirement
2.2	Solid-State Storage. ROCKET uses solid-state storage, not relying on spinning disks to store video, in a CJIS-compliant secure format directly on the device.	Meets Requirement
2.3	Trunk-Mounted Vault. ROCKET serves as a CJIS compliant, vehicle trunk mounted video evidence storage vault for EOS and ROCKET video evidence.	Meets Requirement



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Section 2 – Rocket by Utility™ In-Car Video and Communications System		
ID	Requirement	Satisfaction
2.4	High-Speed Modem. ROCKET has a built in 802.11ac high-speed WiFi modem for wireless offload of video.	Meets Requirement
2.5	High-Speed Wi-Fi Hot Spot. ROCKET provides an 802.11ac high-speed WiFi hotspot for the vehicle MDC and WiFi connected peripherals, to receive and store video from EOS devices while video is being recorded on those devices, and to transmit BOLOs and other communications data to all EOS devices within a 1,000-foot range around the vehicle.	Meets Requirement
2.6	Embedded SIM Connections. ROCKET provides dual cellular embedded SIM connections for priority offload of vehicle and body camera video data, to transmit officer and vehicle location data and receive emergency notifications from the Evidence Management Software.	Meets Requirement
2.7	Diagnostics. ROCKET connects directly to the J-Bus port on the vehicle for receipt and reporting of Vehicle On-Board Diagnostics information from the vehicle computer.	Meets Requirement
2.8	Crash Sensor. ROCKET activates in-vehicle video and body cameras automatically in the event of a crash through a built-in crash sensor.	Meets Requirement
	Configurable Triggers, Including: <ul style="list-style-type: none"> ● Door. ROCKET will automatically turn on if an Officer opens the vehicle door. ● Shotgun Rack. ROCKET camera will automatically turn on if a firearm is removed from the shotgun rack. ● Light Bar. ROCKET will automatically turn on if the vehicle's light bar is activated. ● Siren. ROCKET will automatically turn on if a vehicle's siren is activated. ● Brakes. ROCKET will automatically turn on if certain brake patterns are detected. 	Meets Requirement
2.10	GPS. ROCKET has a built in GPS transmitter for location tracking of the vehicle and correlation of video to location through the POLARIS Evidence Management software.	Meets Requirement
2.11	Tablet Interface. ROCKET supports a tablet interface to review and edit live and recorded video from the in-car video system, and to receive BOLO	Meets Requirement



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Section 2 – Rocket by Utility™ In-Car Video and Communications System		
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	alerts sent by Dispatch for immediate, mass-communication to one or multiple vehicles.	
2.12	Body Camera Trigger Integration. ROCKET automatically triggers the EOS camera when the officer exits the vehicle, and/or with the light bar, and/or siren, and/or door opened. ROCKET supports a host of vehicle triggers that can be configured in any way the department wants to automatically start or manually stop recordings.	Meets Requirement
2.13	First Net (Band Class 14). ROCKET supports the First Net (Band Class 14) communication standard when this is made available to the Department. If an upgrade to system hardware is required for First Net compatibility, vendor agrees to provide this upgrade at no additional cost to the Department for all units deployed in the initial award.	Meets Requirement
2.14	Tamper Resistant. ROCKET and EOS have been designed to be tamper resistant and do not allow any user to edit or delete recordings at any point in time. Authorized users are allowed to add metadata to the video and review the video in the field if allowed to by departmental policy. All actions are entered into the chain of custody. There is no way for any user to delete recordings anywhere within the EOS, ROCKET, and POLARIS ecosystem.	Meets Requirement
2.15	ALPR Capability. The Automatic License Plate Recognition (ALPR) camera receives BOLOs with vehicle information and gathers real-time evidence to enhance alerting capabilities.	

Section 3 – Polaris by Utility™ Digital Evidence Management System Software		
ID	Requirement	Satisfaction
3.1	Web-Based Evidence Management. POLARIS supports video and audio evidence review, classification, and dissemination from body worn cameras, In-Car/Vehicle Unit Cameras, Prisoner Transport Vehicles, and Interview Room cameras.	Meets Requirement



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Section 3 – Polaris by Utility™ Digital Evidence Management System Software		
ID	Requirement	Satisfaction
3.2	Map-Based Interface. POLARIS has an interactive map-based interface where the location of video evidence is correlated to both the Officer and Vehicle.	Meets Requirement
3.3	Geofences. POLARIS’ map-based interface supports creation, display, and use of GeoFences, Action Zones, and Privacy Zones.	Meets Requirement
3.4	CJIS-Compliant Storage. POLARIS stores all video, audio, and metadata in a CJIS-compliant secure cloud-based storage.	Meets Requirement
3.5	Wireless Uploads. Utility’s solution uploads video, audio, and metadata automatically to secure CJIS-compliant vault storage wirelessly, without the use of peripheral docking or wired offload devices.	Meets Requirement
3.6	Live Streaming. POLARIS supports Live Video Streaming.	Meets Requirement
3.7	Distribution of Alerts. POLARIS supports distribution of BOLO, Amber, and Silver alerts.	Meets Requirement
3.8	Over-the-Air Updates. EOS and ROCKET software and firmware settings and updates can be transmitted "over the air" using wireless connectivity without requiring the return of equipment from the field. System Administrators use POLARIS to set and distribute software settings and firmware updates. Such updates are distributed quarterly (or more frequently if necessary) to all devices, groups of devices, or even single devices.	Meets Requirement
3.9	Seamless Playback. POLARIS can simultaneously play back video and audio streams from multiple sources - e.g. EOS video, EOS audio, and ROCKET front-facing video. POLARIS keeps the video and audio streams in sync for seamless playback.	Meets Requirement
3.10	Encryption. All evidence is encrypted at rest on the EOS and ROCKET, in transit to cloud storage, and while being maintained in cloud storage.	Meets Requirement
3.11	Unlimited Logins. POLARIS supports an unlimited number of User Logins with no per-seat license cost.	Meets Requirement
3.12	Chain of Custody. POLARIS has comprehensive Chain of Custody audit trail logging and reporting.	Meets Requirement
3.13	CAD Metadata. POLARIS automatically ingests and processes CAD metadata such as incident number, type, officer and Vehicle number, and	Meets Requirement



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	incident location from the Department's existing CAD system into the responding officer Body and Vehicle Camera file.	
3.14	Location-Specific Triggers. System administrators can create action zones to trigger recordings. Additionally, through CAD integration, dispatched calls can be used to trigger devices within a certain radius.	Meets Requirement
3.15	Redaction. POLARIS includes a comprehensive video redaction capability that will automatically redact and track all personally identifiable individuals in a video and prepare that video for sharing or export to another user.	Meets Requirement
3.16	High Speed Access Points. The Solution includes High Speed Access Points that have on-board storage and 802.11ac WiFi connectivity to vehicles and officers, so that video offload speed from Officer's Body Cameras and Vehicle Video Systems can occur in under five minutes for an entire shift of video.	Meets Requirement
3.17	Evidence Sharing. The Solution has the ability to easily share videos with State Attorney's Offices, private attorneys, media outlets and public record requests, either by emailing web links, copying videos to external storage media or granting secure access to system to view specific videos.	Meets Requirement
Section 4 - Warranty and Maintenance		
ID	Requirement	Satisfaction
4.1	Warranty. The video system includes a limited parts and labor warranty against any defects in materials or workmanship on all System software and hardware components for the duration of the contract.	Meets Requirement
4.2	Software Updates. Software updates will be provided as part of ongoing maintenance at no additional cost.	Meets Requirement
4.3	Technical Support. All Departmental users have access to a 24/7/365 technical support.	Meets Requirement