

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: Drones, Inspire 1 and Phantom 4 Pro or approved equal with Accessories as specified

Contract Period: July 17, 2017 through July 16, 2018 w/2-1 yr options
Extended through 7/16/19 w/1 year option

Original Date of Issue: July 18, 2017

Date of Revision: 11/2/18

BID No: RFB-RC-2017-017

ORDERING METHOD: SPECIAL REQUEST

Authorized Users: Sheriff's, All Political Subdivisions

Address Inquires To:

Name: Kathy McSharar
Title: Purchaser II
Phone: 845-364-3821
Fax: 845-364-3809
E-mail: mcsharak@co.rockland.ny.us

Description

This contract is for various drones and accessories.

Contract #	Vendor Number	Contractor & Address	Telephone No.
RFB-RC-2017-017	0000024488	Corporate Services Supply & Manufacturing Inc. 80A Air Park Drive Ronkonkoma, NY 11779 Contact: Eugene Portela gene@cssmfginc.com	631-981-2600 FAX: 631-981-2605

COUNTY OF ROCKLAND
 DGS – PURCHASING DEPARTMENT
 BLDG. A, 2ND FLOOR, 50 SANATORIUM ROAD
 POMONA, NY 10970
 TELEPHONE NO.: 845-364-3820
 FAX NO.: 845-364-3809

VENDOR: Corporate Serv. Supply

LINE NO.	DESCRIPTION	ITEM NUMBER	EST. QTY.	UNIT	UNIT PRICE	EXTENDED PRICE	BRAND NAME AND PRODUCT CODE
SECTION ONE							
1	DRONE AIRCRAFT, DJI INSPIRE1 WITH SINGLE REMOTE AS SPECIFIED IN ITEM "A" OR APPROVED EQUAL	03596	1	EACH	\$1,799.00	\$1,799.00	DJI CP.BX.000103
2	CAMERA, X3 MODEL FC350 AS SPECIFIED IN ITEM "B" OR APPROVED EQUAL	03956	1	EACH	\$0.00	\$0.00	DJI CP.BX.000049
3	WATERPROOF CASE FOR INSPIRE1 AS SPECIFIED ITEM "C" AS SPECIFIED P/N INSPIREWPC OR APPROVED EQUAL	03956	1	EACH	\$404.10	\$404.10	PELICAN CP.HY.000002
4	BATTERY, TB48 AS SPECIFIED ITEM "D" P/N DJISP-II-BATT5700 OR APPROVED EQUAL	03956	6	EACH	\$179.10	\$1,074.60	DJI CP.BX.000150
5	NVIDIA SHIELD TEGRA K1 ANDROID TABLET FOR INSPIRE 1 AS SPECIFIED ITEM "E" P/N DROID-TAB OR APPROVED EQUAL	03956	1	EACH	\$549.19	\$549.19	NVIDIA/ANDROID
6	CAMERA THERMAL AND GIMBLE, ZENMUSE XT ITEM "F" AS SPECIFIED OR APPROVED EQUAL	03956	1	EACH	\$6,270.00	\$6,270.00	DJI ZXTB13FP
7	BUNDLE #1 TO INCLUDE: ITEM "A" - DRONE W/SINGLE REMOTE, ITEM "B" - CAMERA X3 FC350, ITEM "C" - WATERPROOF CASE, ITEM "E" - ANDROID TABLET; ALL AS SPECIFIED OR APPROVED EQUAL. SHALL BE SAME PRODUCT AS BID FOR LINES 1, 2, 3 AND 5 ABOVE	03956	2	EACH	\$2,752.29	\$5,504.58	
8	BUNDLE #2 TO INCLUDE: ITEM "A" - DRONE WITH SINGLE REMOTE, ITEM "F" THERMAL CAMERA AND GIMBLE, ITEM "C" - WATERPROOF CASE, ITEM "E" ANDROID TABLET; ALL AS SPECIFIED OR APPROVED EQUAL. SHALL BE SAME PRODUCT AS BID FOR LINES 1, 3, 5 AND 6 ABOVE	03956	1	EACH	\$9,022.29	\$9,022.29	

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VENDOR: Corporate Serv. Supply							
LINE NO.	DESCRIPTION	ITEM NUMBER	EST. QTY.	UNIT	UNIT PRICE	EXTENDED PRICE	BRAND NAME AND PRODUCT CODE
9	DRONE, AIRCRAFT DJI PHANTOM 4 PRO QUADCOPTER ITEM "G" AS SPECIFIED P/N CPPT000488 OR APPROVED EQUAL	03956	1	EACH	\$1,349.10	\$1,349.10	DJ11 CP.PT.000488
10	BATTERY, PART 64, INTEL FLIGHT 5870 mAh ITEM "H" P/N CPPT000601 OR APPROVED EQUAL	03956	2	EACH	\$152.10	\$304.20	DJI CP.PT.000602
11	DJI CAREPLAN SERVICE PLAN, ITEM "I" FOR INSPIRE 1 AND PHANTOM 4 PRO DRONES WHICH PROVIDES COVERAGE AMOUNT EQUAL TO THE MARKET PRICE OF YOUR AIRCRAFT FOR REPAIR SERVICE WITH UNLIMITED REPAIRS PROVIDED COVERAGE AMOUNT NOT	03956	4	EACH	399 219.00		DJI/CSS
12	TRAINING, ITEM "J", ON-SITE, MINIMUM OF 4 HOURS FOR EACH INSPIRE 1 AND PHANTOM 4 PRO OR APPROVED EQUAL	03956	4	LOT (MIN. 4 HR)	\$195.00	\$780.00	CSS
13	Sub-Total Price for Section 1 - Items 1-12			SUB-TOTAL		21790.77	
SECTION TWO							
14	Percent Discount From, DJI Manufacturer or Approved Equal Nationally Offered Price List For Additional Items as needed (Manufacturer bid must be for the same brand(s) offered above in Section 1)	03956	\$2,000.00	Percent Discount	10% Indicate % Discount Offered	\$ _____ (\$2000.00 MULTIPLIED BY DISCOUNT AND SUBTRACTED FROM \$2000.00 FOR EXTENDED TOTAL)	5/2/17 CATALOG/DATE
15	Total for Lines #13 and Line #14					21790.77	
	Days to Complete Delivery After Receipt of Purchase Order			DAYS	10		

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**TITLE: DRONE, DJI INSPIRE 1 AND PHANTOM 4 PRO AND
ACCESSORIES AS SPECIFIED OR APPROVED EQUAL**

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PURCHASES BY OTHER

LOCAL GOVERNMENTS, SCHOOL DISTRICTS, AND NON PROFIT AGENCIES

As per the New York State General Municipal Law, all political subdivisions of New York State are allowed to make purchases through the resulting contract(s). As per Rockland County Procurement Policy, Non Profit Agencies approved to participate in New York State's Contract Extension Program are authorized to make purchases through the resulting contract(s).

1. The County of Rockland shall make all contract award information available to other political subdivisions and non profit agencies through our website: www.rcpurchasing.com
2. Any other political subdivision or Rockland County non profit agency will issue purchase orders directly to vendors within the specified contract period referencing the County's contract and shall be liable for any payments due on such purchase orders; and shall accept sole responsibility for any payment due.
3. All purchases shall be subject to audit and inspection by the other political subdivisions and Rockland County non profit agencies for which the purchase was made.
4. No officer, board or agency of a county, town, village, or school district shall make any purchase through the County when bids have been received for such purchase by such officer, board or agency, unless such purchase may be made upon the same terms, conditions and specifications at a lower price through the County.
5. All Bidders shall be on notice that as a condition of the award of a County contract, the successful bidder shall accept the award of a similar contract with any other political subdivision in New York State and Rockland County non profit agencies authorized to use New York State's contracts, if called upon to do so. A listing of approved Rockland County non profit agencies is available on the Purchasing Division's website at www.rcpurchasing.com. The County, however, will not be responsible for any debts incurred by the participants pursuant to this or any other agreement.
6. Necessary deviations from the County's specifications in the award of a participant contract, whether such deviations relate to quantities, or delivery points shall be resolved between the successful bidder and the other political subdivisions and Rockland County non profit agencies.

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SPECIFICATIONS

1. SCOPE

- 1.1. The scope of this bid is to provide DJI Inspire 1 Drone with the accessories listed and DJI Phantom 4 Pro with the accessories list or approved equal as specified on an as needed basis.
- 1.2. The County of Rockland currently has a request for a quantity of three (3) DJI Inspire 1 Drones and one (1) DJI Phantom 4 Pro Drone and accessories as specified.

2. REQUIREMENTS

- 2.1. All items must be as specified or approved equal or equivalent.
- 2.2. Bids containing restrictions will not be acceptable unless the County of Rockland Purchasing Division deems the restrictions conform to County of Rockland requirements.
- 2.3. All prices bid shall include freight and delivery.

3. QUANTITIES

- 3.1. The Section 1 quantities provided are for evaluation purposes. The County reserves the right to order quantities above or below those specified at the prices bid.
- 3.2. The Section 2 - Percent Discount line on the Bid Cost Pages will be used for items purchased in the future as / if needed.

4. NONRESTRICTIVE USE OF BRAND NAME OR EQUAL SPECIFICATIONS

- 4.1. The use of a brand name is for the purpose of describing the standard of quality, performance, and characteristics desired and is not intended to limit or restrict competition.

5. APPROVED EQUAL OR EQUIVALENT ITEMS

- 5.1. Bidder must submit specification, cut sheets, and brochure data with the bid submission if bidding on an equal or equivalent item. Bidders must also include a company name, address, contact and contact telephone number of where the product is currently being utilized.
- 5.2. If the bidder is bidding an approved equal, he must first provide references showing locations the County of Rockland can visit of the exact make and model intended to be supplied. If bidding an alternate or approved equal, two copies of brochures, specifications, and any other pertinent information must be sent with bid.

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- 5.3. In the event that an alternate is bid, the County of Rockland reserves the right to request a demonstration of the specific model bid. Failure to furnish the demonstration will render the bid, for that item, as non-responsive.
- 5.4. Any units not conforming to these specifications may be rejected, and it will be the responsibility of the manufacturer to conform to the requirements unless exceptions have been specifically cited by the bidder and acceptance made on the basis of the exceptions. Each bidder is required to respond to every requirement in this specification with the appropriate explanation of equipment when specified and supply all requested information with bids.
- 5.5. The County of Rockland will make the final determination on whether the equipment is considered an approved equal.

6. PROPOSAL PAGE

- 6.1. The Proposal Pages shall be completed accurately. An extended price shall be entered in the column indicating "Extended Price" with an overall bid total indicated in line #15.
- 6.2. Bidder shall submit the actual manufacturer's brand name and part numbers for equipment being bid (this includes bids submitted for equivalent or as specified equipment) in the space provided on the Proposal Pages. In addition, Bidder shall indicate their stock numbers. If any items are left blank, the bid may be rejected.

7. AWARD

- 7.1. Bid will be awarded in its entirety to the lowest responsive responsible Bidder based on overall bid total indicated in line #15 and who meets the stated requirements.

8. CONTRACT PRICE ADJUSTMENTS UPON RENEWAL

- 8.1. The bid rates shall remain firm through the first contract period with no adjustments allowed. If the County exercises any of the option years of the award, Contractor may submit a request for adjustment on the yearly anniversary date of the contract. Any request for price adjustment(s) shall be submitted thirty (30) days in advance in writing to the Director of Purchasing. Any and all price adjustments will be limited to the percentage increase in the CPI Index – All Urban Consumers for the preceding 12 months. The County reserves the right to reject any request for price increase deemed excessive.
- 8.2. CPI-Index - Consumer Price Index for All Urban Consumers as published by the Bureau of Labor Statistics of the United States Department of Labor or a successor or substitute index, appropriately adjusted.
- 8.3. Vendors shall submit a letter to the Director of Purchasing, during the term of this bid, addressing any **unscheduled price increases** from the manufacturers. This letter must include on the manufacturer's letterhead all information to support any unscheduled increase. Any increase authorized is at the sole discretion of the Director of Purchasing and shall be in writing.

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9. PRICELISTS/DISCOUNTS

9.1. Section 2 - A copy of the current Manufacturers' Nationally Offered Price List or approved equal items shall be included with the bid response (hard copy, electronic or weblink). Once awarded a contract, the percentage discount offered in Section 2 to authorized users may, at the contractor's option, be increased based on individual orders. Discounts may be greater, but in no instance, shall they be lower than the awarded discount. If contractor is offering a single discount structure, the same discount is applied to all purchases made from the contractor's pricelist.

10. PRICELIST UPDATES

10.1. Upon approval of the contract by the Purchasing Director, contractors may update their contract product line to reflect manufacturer's addition of new products as established by the manufacturer in their normal course of business and new product pricing. Contractors will be allowed to update their product line semi-annually. All product list updates must first be approved in writing by the Purchasing Director before they become effective. All percentage discounts bid shall remain firm (unchanged) for the duration of the resulting contract. Contractor shall provide requesting authorized users with copies of approved pricelist(s) upon request.

11. E-MAIL ADDRESS

11.1. Vendors to include company e-mail address and indicate any web site(s) if applicable.

11.1.1.1. E-Mail _____

11.1.1.2. Web Site _____

11.1.1.3. Contact _____

11.1.1.4. Phone Number _____

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	BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS
MINIMUM SPECIFICATIONS ITEM "A"	
COMPONENT: DRONE AIRCRAFT, INSPIRE 1 MODEL T600 WITH SINGLE REMOTE, INSPIRE 1 INCLUDING UPGRADED BATTERY OR APPROVED EQUAL	
Model T600	
Weight (Battery included): 2935g	
Hovering Accuracy (GPS Model): Vertical: 0.5m / Horizontal: 2.5m	
Max Angular Velocity Pitch: 300 Degrees Yaw: 150 Degrees	
Max Tilt Angle: 35 Degrees	
Max Ascent Speed 5 m/s	
Max Descent Speed 4 m/s	
Max Speed: 22 m/s (ATTI model, no Wind)	
Max Service Ceiling above Sea Level: 4500 m (Default altitude limit: 120 m above takeoff point)	
Max Wind Speed Resistance: 10 m/s	
Max Flight Time: 18 minutes approx.	
Motor Model: DJI 3510H	
Propeller Model: DJI 1345T	
Indoor Hovering: Enabled by Default	
Operating Temperature Range -10 Deg to 40 Deg C	
Diagonal Distance: 559 to 580 mm	
Dimensions: 438 x 451 x 301 mm	
Power Spectral Density: 9.6Mw/mhZ	
P/N	
MINIMUM SPECIFICATIONS ITEM "B"	
COMPONENT: CAMERA X3 MODEL FC350 FOR ABOVE OR APPROVED EQUAL	
Total Pixels: 12.76m	
Effective Pixels: 12.4m	
Image Max Size: 4000 x 3000	
ISO Range:	

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	BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS
100-3200 (video) 100-1600 (photo)	
Electronic Shutter Speed: 8s – 1/8000s	
FOV (Field of View): 94 Degrees	
CMOS: Sony EXMOR ½.3”	
Lens: 20mm (35mm format equivalent) (f/2.8 focus at ∞ 9 Elements in 9 groups Anti-distortion	
Still Photography Modes: Single shoot Burst shooting: 3/5/7 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias Time-Lapse	
Video Recording Modes: UHD (4K): 4096 x 2160p24/25, 3840x2160p24/25/30 FHD: 1920 x 1080p24/25/30/48/50/60 HD: 1280x720p24/25/30/48/50/60	
Max Bitrate of Video Storage: 60 Mpbs	
Supported File Formats: FAT32/exFAT Photo: JPEG, DNG Video: MP4/MOV (MPEG-4 AVC/H.264)	
Supported SD Card Types: Micro SD Max Capacity: 64GB, Class 10 or UHS-1 rating required	
Operating Temperature Range: 0 Degrees to 40 Degrees C	
Charger: Model A14-100P1A Voltage 26.3v Rated Power: 100W	
INCLUDED: BATTERY Intelligent Flight Battery Model TB48 or approved equal Capacity: 5700mAh Voltage: 22.8v Battery Type: LiPo 6S Energy: 129.96 Wh Net Weight: 670g Operating Temperature Range: -10 Deg to 40 Deg C Storage Temperature Range: Less than 3 months: -20 Degrees to 45 Degrees C; More than 3 months: 22 Degrees to 28 Degrees C Charging Temperature Range: 0 Degrees to 40 Degrees C Max Charging Power: 180W	
INCLUDED DJI GO APP	

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<p>Mobile Device System Requirements Ios 8.0 OR LATER, Android 4.1.2 or later Supported Mobile Devices: IOS: iPhone 5s, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPod touch 6, iPad Pro, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi+ Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 and Ipad Mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 5s, iPhone 6, iPhone 6 Plus, iPhone 6s and iPhone 6s Plus.</p> <p>Android: Samsung tabs 705c, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Google Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei Mate 8, Nubia Z7 mini, Sony Xperia Z3, MI 3, MI PAD</p>	
MINIMUM SPECIFICATIONS ITEM "C"	BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS
COMPONENT:) WATERPROOF CASE FOR INSPIRE 1 P/N INSPIREWPC OR APPROVED EQUAL	
<p>Durable Waterproof and Dust tight design SKB Military spec case w/foam inside; (MIL-C-4150J) industrial strength injection molded pull handle, four wide set in-line skate style wheels for easy transport; padlock holes include stainless steel padlock protector clips; Molded-in hinge for added protection; trigger release latch system; snap-down rubber over-molded cushion grip handle; ambient pressure equalization valve (MIL—STD-648C); resistant to UV, solvents, corrosion, fungus (MIL-STD-810F); resistant to impact damage (MIL-STD-810F) Lifetime guarantee</p> <p>Exterior Length: 31.63”</p> <p>Exterior Width: 20.5”</p> <p>Exterior Depth: 15.75”</p> <p>Interior Length: 29”</p> <p>Interior Width: 18”</p> <p>Interior Depth: 14.5”</p> <p>Shipping Length: 33”</p> <p>Shipping Width: 21”</p> <p>Shipping Depth: 17”</p> <p>Weight: 28#</p> <p>P/N GPC</p>	

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	BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS
MINIMUM SPECIFICATIONS ITEM "D"	
COMPONENT: EXTRA BATTERY FOR INSPIRE 1 ABOVE P/N DJISP-I1-BATT5700 OR APPROVED EQUAL	
Intelligent Flight Battery Model TB48 or approved equal Capacity: 5700mAh Voltage: 22.8v Battery Type: LiPo 6S Energy: 129.96 Wh Net Weight: 670g Operating Temperature Range: -10 Deg to 40 Deg C Storage Temperature Range: Less than 3 months: -20 Degrees to 45 Degrees C ; More than 3 months: 22 Degrees to 28 Degrees C Charging Temperature Range: 0 Degrees to 40 Degrees C Max Charging Power: 180W P/N	
MINIMUM SPECIFICATIONS ITEM "E"	
COMPONENT: NVIDIA SHIELD TEGRA K1 ANDROID TABLET FOR INSPIRE 1 ABOVE P/N DROID-TAB OR APPROVED EQUAL	
Processor: NVIDIA Tegra K1 192 core Kepler GPU 2.2 GHz ARM Cortex A15 CPU with 2GB RAM	
Display: 8-inch 1920 x 120 multi-touch Full-HD display	
Video Features: 4K Ultra-HD Ready	
Audio: Front facing stereo speakers with Build-In microphone	
Storage: 16GB (Portion of storage occupied by system software)	
Wireless 802.11n 2x2 MIMO 2.4 GHZ and 5GHz Wi-Fi, Bluetooth 4.0 LE, GPS / GLONASS	
Interfaces: Mini-HDMI with HDCP 1.4 output, Micro-USB 2.0, MicroSD Slot 3.5 mm stereo headphone jack with microphone support	
Motion Sensors: 3-axis gyro, 3-axis accelerometer, 3-axis compass	
Gaming Features: SHIELD controller compatible GeForce NOW cloud gaming service; Console Mode; NVIDIA ShadowPlay	
Camera: Front: 5MP HDR; Back: 5MP auto-focus HDR	
Weight and Size: Weight: 12.6 oz; Height: 8.8"; Width: 5.0"; Depth: 0.36"	
Software Updates: SHIELD Software upgrades directly from NVIDIA	

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	BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS
Battery: 19.75 Watt Hours	
Operating System: Android Lollipop OS (Android 6.0 Marshmallow Over-The-Air upgrade available)	
Included APPS: Google Play, NVIDIA SHIELD Hub, Fallout Shelter, NVIDIA Dabblar, Squid, Twitch	
MINIMUM SPECIFICATIONS ITEM "F"	
COMPONENT: CAMERA THERMAL AND GIMBLE, ZENMUSE XT P/N ZXTB13FP AS SPECIFIED OR APPROVED EQUAL.	
Dimensions: 103 mm x 74 mm x 102 mm	
Weight: 270g	
Camera: Thermal Imager	
FPA/Digital Video Display Formats: 640 x 512; 336 x 256	
Analog Video Display Formats: 720 x 480 (NTSC); 720 x 576 (PAL)	
Pixel Pitch: 17 µm	
Full Frame Rates: 640 x 512: 30 Hz (NTSC) 25 Hz (PAL); 336 x 256 : 30 Hz (NTSC) 25Hz (PAL)	
Exportable Frame Rates: 7.5 Hz NTSC; 8.3 Hz PAL	
Sensitivity (NEdT): <50 mk at f/1.0	
Scene Range (High Gain): 640 x 512: -13 Deg. to 275 Deg. F (-25 Deg. to 135 Deg. C) 336 x 256: -13 Deg. to 212 Deg. F (-25 Deg. To 100 Deg. C)	
Scene Range (Low Gain): -40 Deg. To 1022 Deg. F (-40 Deg. To 550 Deg. C)	
Spot Meter: Temperatures measured in central 4 x 4	
File Storage: Micro SD Card	
Photo Format: JPEG, TIFF	
Video Format: MP4	
ENVIRONMENTAL: Operating Temperature Range: 14 Deg. To 104 Deg. F (-10 Deg. To 40 Deg. C) Non-Operating Temperature Range: -22 Deg. To 158 Deg. F (-30 Deg. To 70 Deg. C) Temperature Shock: 5 Deg. C / min Humidity: 5% to 95%	

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<p>GIMBAL: Angular Vibration Range: +/- 0.03 Deg. Mount: Detachable Controllable Range: Tilt: +35 Deg. To -90 Deg.; Pan: +/- 320 Deg.; Roll: +/- 15 Deg. Mechanical Range: Tilt: +45 Deg. To -135 Deg.; Pan: +/- 320 Deg.; Roll: +/- 45 Deg. Max Controllable Speed: 120 Deg./s</p>	
<p>IMAGE PROCESSING & DISPLAY CONTROLS: NTSC/PAL (field switchable – YES Image Optimization: YES Digital Detail Enhancement: YES Polarity Control (black hot/white hot) – YES Color & Monochrome Palettes (LUTs): YES Digital Zoom: 640 x 512: 2x, 4x 8x / 336 x 256: 2x, 4x</p>	
<p>LENS MODEL: 13 MM 17 µm 336 x 256: f/1.25; FoV / iFoV 25 Deg. X 19 Deg.; 1.308 mr Min Focus Distance: 7.6 cm Hyperfocal Distance: 4.4 m Hyperfocal Depth of Field 2.2 m</p>	
MINIMUM SPECIFICATIONS ITEM “G”	
<p>COMPONENT: DRONE AIRCRAFT, CAMERA AND ACCESSORIES, DJI PHANTOM 4 PRO OR APPROVED EQUAL What comes in the box for the Phantom 4 Pro: Aircraft Body with Camera and Gimble (1), Remote Controller (1), Propeller Pairs (x 4), Intelligent Flight Battery (1), Battery Charger (x1), Power Cable (x1), Manuals, Gimbal Clamp (x1), USB OTG Cable (x1), Micro USB Cable (x1), Micro SD Card, 16GB (x1), Carrying Case (x1)</p>	
<p>DRONE AIRCRAFT Weight (Battery & Propellers included): 1388g Diagonal Size (Propellers Excluded): 350 mm Max Ascent Speed: S-mode: 6 m/s / P-Mode: 5 m/s Max Descent Speed: S-Mode: 4 m/s / P-Mode: 3 m/s Max Speed: • S-Mode: 45 mph • A-mode: 36 mph • P-Mode: 31 mph Max Tilt Angle: • S-Mode: 42 Deg. • A-Mode: 35 Deg. • P-Mode: 25 Deg. Max Angular Speed:</p>	

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RFB-RC-2017-017**

BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS

- S-mode: 250 Deg/s
- A-Mode: 150 Deg. /s

Max Service Ceiling Above Seal Level: 19685 feet
 Max wind Speed Resistance: 10 m/s
 Max Flight Time: Approx. 30 minutes
 Operating Temperature Range: 32 Deg. To 104 Deg. F
 Satellite Positioning Systems: GPS/GLONASS
 Hover Accuracy Range:

- Vertical:
 - +/- 0.1 m (with vision Positioning)
 - +/- 0.5 m (with GPS positioning)
- Horizontal:
 - +/- 0.3 m (with vision Positioning)
 - +/- 1.5 m (with GPS positioning)

Vision System: Forward / backward and Downward Vision System
 Velocity Range: ≤31 mph at 6.6' above ground
 Altitude Range: 0 – 33'
 Operating Range: 0 - 33'
 Obstacle Sensory Range: 2 – 98'
 FOV:

- Forward: 60° (Horizontal), +/- 27° (Vertical)
- Backward: 60° (Horizontal), +/- 27° (Vertical)
- Downward: 70° (Front and Rear), 50° (Left and Right)

Measuring Frequency:

- Forward: 10Hz
- Backward: 10Hz
- Downward: 20Hz

Operating Environment: Surface with clear pattern and adequate lighting (lux>15)

CAMERA
 Sensor: 1” CMOS; Effective Pixels: 20M
 Lens: FOB84° 8.8mm / 24mm (35mm format equivalent) f/2.8-f/11 autofocus at 1m
 ISO Range:

- Video:
 - 100-3200 (Auto)
 - 100-6400 (Manual)
- Photo:
 - 100-3200 (Auto)
 - 100-12800 (Manual)

Mechanical Shutter Speed: 8-1/2000s
 Electronic Shutter Speed: 8-1/8000s

COUNTY OF ROCKLAND - DGS-PURCHASING
BLDG. A., 2ND FLOOR, 50 SANATORIUM RD, POMONA, NY 10970
TELEPHONE: 845-364-3820 / TELEFAX: 845-364-3809

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Image Size: 3:2 Aspect Ratio: 5472 x 3648
4:3 Aspect Ratio: 4864 x 3648
16:9 Aspect Ratio: 5472 x 3078

PIV Image Size: 4096 x 2160; 3840 x 2160; 2720 x 1530; 1920 x 1080; 1280 x 720

Still Photography Modes:

- Single Shot
- Burst Shooting: 3/5/7/10/14 Frames
- Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias
- Interval: 2/3/5/7/10/15/20/30/60's

Video Recording Modes:

- H.265
- C4K:4096x2160 24/25/30p @100Mbps
- 4K:3840x2160 24/25/30p @100Mbps
- 2.7K:2720x1530 24/25/30p @65Mbps
- 2.7K:2720x1530 48/50/60p @80Mbps
- FHD:1920x1080 24/25/30p @50Mbps
- FHD:1920x1080 48/50/60p @65Mbps
- FHD:1920x1080 120p @100Mbps
- HD:1280x720 24/25/30p @25Mbps
- HD:1280x720 48/50/60p @35Mbps
- HD:1280x720 120p @60Mbps
- H.264
- C4K:4096x2160 24/25/30/48/50/60p @100Mbps
- 4K:3840x2160 24/25/30/48/50/60p @100Mbps
- 2.7K:2720x1530 24/25/30p @80Mbps
- 2.7K:2720x1530 48/50/60p @100Mbps
- FHD:1920x1080 24/25/30p @60Mbps
- FHD:1920x1080 48/50/60 @80Mbps
- FHD:1920x1080 120p @100Mbps
- HD:1280x720 24/25/30p @30Mbps
- HD:1280x720 48/50/60p @45Mbps
- HD:1280x720 120p @80Mbps

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Max Video Bitrate: 100 Mbps
 Supported File Systems: FAT32 (≤32 GB); exFAT (>32 GB)
 Photo: JPEG; DNG (RAW); JPEG + DNG
 Video: MP4/MOV (AVC/H.264; HEVC/H.265)

Supported SD Cards: MICRO SD; MAX Capacity: 128GB:
 Write Speed ≥15MB/s, Class 10 or UHS-1 rating required
 Operating Temperature Range: 32° to 104°F

CHARGER:

Voltage: 17.4v
 Rated Power: 100W

APP / LIVE VIEW

Mobile App: DJI GO4
 Live View Working Frequency: 2.4 GHz ISM, 5.8 GHz ISM
 Live View Quality: 720P @ 30fps
 Latency: Phantom 4 Pro: 220ms (depending on conditions and mobile device)
 Required Operating Systems: IOS 9.0 or later; Android 4.4.0 or later

Recommended Devices:

iOS: iPhone 5s, iPhone SE, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi + Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 and iPad mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 7, iPhone 7 Plus.

Android: Samsung S7 edge, Samsung S7, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Samsung tabs 705c, Ascend Mate 9, Ascend Mate 7, Huawei Honor 8, Huawei P8 Max, Vivo X7, Xiaomi 5, MI 3, Google Nexus 6p, Nexus 9, Google Nexus 7 II, LG V20, Sony Xperia Z3, Smartisan T1.

*Support for additional devices available as testing and development continues

GIMBAL

Stabilization: 3-axis (pitch, roll, yaw)
 Controllable Range: Pitch: -90°/s
 Angular Control Accuracy: +/-0.02°

INFRARED SENSING SYSTEM

Obstacle Sensory Range: 0.6 – 23'
 FOV: 70° (horizontal), +/-10° (Verticle)
 Measuring Frequency: 10Hz
 Operating Environment: Surface with diffuse reflection material, and reflectivity >8% (such as wall, trees, humans, etc.)

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REMOTE CONTROLLER

Operating Frequency: 2.400 – 2.483 GHz and 5.725 – 5.825 GHz
Max Transmission Distance: 2.400-2.483 GHz (unobstructed, free of interference): 2.400 - 2.483 GHz (Unobstructed, free of interference)

- FCC: 4.3 mi
- CE: 2.2 mi
- SRRC: 2.5 mi
- 5.725 - 5.825 GHz (Unobstructed, free of interference)
- FCC: 4.3 mi
- CE: 1.2 mi
- SRRC: 3.1 mi

Operating Temperature Range: 32° to 104°F
Battery: 6000mAh LiPo2S
Transmitter Power (EIRP):

- 2.400 - 2.483 GHz
- FCC: 26 dBm
- CE: 17 dBm
- SRRC: 20 dBm
- 5.725 - 5.825 GHz
- FCC: 28 dBm
- CE: 14 dBm
- SRRC: 20 dBm

Operating Current/Voltage: [1.2@7.4v](#)
Video Output Port: GL300E: HDMI / GL300F: USB
Mobile Device Holder: GL300E: Built-in display device (5.5” Screen, 1920x1080, 1000cd/m², Android system, 4GB Ram + 16 GB ROM); GL300F: Tablets and smart phones

INTELLIGENT FLIGHT BATTERY

Capacity: 5870 mAh
Voltage: 15.2v
Battery Type: LiPo4S
Energy: 89.2Wh
Net Weight: 468g
Charging Teperature Range: 41° to 104°F
Max Charging Power: 100W

MINIMUM SPECIFICATIONS ITEM “H”

COMPONENT: INTELLIGENT FLIGHT BATTERY FOR “G” ABOVE OR APPROVED EQUAL

BATTERY, INTELLIGENT FLIGHT (EXTRA)
Capacity: 5870 mAh

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	BIDDER TO NOTE COMPLY OR LIST ALTERNATE SPECIFICATIONS
Voltage: 15.2v Battery Type: LiPo4S Energy: 89.2Wh Net Weight: 468g Charging Teperature Range: 41° to 104°F Max Charging Power: 100W	
MINIMUM SPECIFICATIONS ITEM "I"	
COMPONENT: DJI CARE SERVICE PLAN INSPIRE 1 AND PHANTOM 4 PRO OR APPROVED EQUAL	
Service Plan provides coverage amount equal to the market price of your aircraft for repair service with unlimited repairs provided coverage amount not exceeded.	
MINIMUM SPECIFICATIONS ITEM "J"	
COMPONENT: TRAINING, ON-SITE, MINIMUM OF 4 HOURS FOR EACH INSPIRE 1 AND PHANTOM 4 PRO OR APPROVED EQUAL	