

Annex 3 – Products technical specifications.

Item # 1: Anemometer (type 1)

- Kestrel 1000 Wind Meter or equivalent
- Rugged, simple and accurate wind speed meter
- Current/minimum/maximum/average wind reading
- Data hold feature, clock and backlit display for night use
- High contrast, sunlight readable monochrome LCD display
- 3-Button Control
- Drop-tested to US Military Specification MIL-STD-810G
- Waterproof to IP67 (3ft/1m underwater for 30 minutes)
- Floats if dropped in water.

Illustrative picture:



Item #2: TB30 intelligent flight battery for DJI M30T

- Up to 41 minutes flight time in a foldable enterprise drone is a new standard
- The TB30 Intelligent Flight Battery is built especially for the DJI M30 drone
- Can support at least 400 charge cycles and allows a 41-minute flight time
- Smart BS30 charging case allows quick battery charging from 20% to 90% in 30 minutes.

Illustrative picture:



Item #3: Drone including customisation

- Rated to IP55, including zoom camera, thermal image camera, infrared sensing system, with controller unit and intelligent and self-heating batteries
- DJI Matrice 30T Bundle to enhance the standard DJI off the shelf M30T package
- 1 x Matrice 30T Drone
- 2 x TB30 /intelligent Flight Battery
- 1 x BS30 Battery Station
- 1 x RC Plus Remote Controller
- Product customization: to allow unlocking of geo fence restrictions and cloak the exact location from aerospace. This would entail R & D on one drone to facilitate customisation of the second drone.

Item #4: GoPro Camera or equal

GoPro camera or equal powered by new GP2 processor, able to shoot 5.3K video with double the frame rate, 23MP photos, enhanced low-light performance and 4.0 video stabilization in all modes. The camera should also be connected to the cloud.

Specifications and accessories:

- Includes HERO10 Black camera, carrying case, rechargeable battery, curved adhesive mounts, mounting buckle + thumb screw, USB-C cable and free SD card.
- All-new GP2 processor
- Unreal 5.3K60 + 4K120 video resolution + 23 megapixel photos
- Advanced HyperSmooth 4.0 video stabilization
- Waterproof to 33ft + built tough
- Automatically upload footage to the cloud when charging
- TimeWarp 3.0, 8X Slo-Mo + tons of other features to nail any shot
- Compatible with Quik app
- Compatible with over 30 mounts + accessories

Item #5: Bag of Camera mounts and spare parts (compatible with Item #4)

Bag of GoPro (or equal) mounts and spare parts including:

- curved and flat adhesive mounts
- two mounting buckles
- a 3-Way Pivot Arm
- a variety of short and long thumb screws.

Illustrative picture:



Item #6: Camera clamp (compatible with Item #4)

Clamp for GoPro (or equal) to objects ranging in size from 0.25 to 2in (0.6 to 5cm) in diameter. To be attached directly to the camera for low-profile mounting or use the optional neck to achieve a wider range of camera-angle adjustability.

Specifications and accessories:

- Clamp for GoPro (or equal) to objects ranging in size from 0.25 to 2in (0.6 to 5cm) in diameter
- Removable neck allows for a wide range of camera-angle adjustability
- Camera can be attached directly to clamp for lower-profile mounting
- Adjustable strap enables a secure grip on irregular shapes and objects as thin as a pencil
- Quick release bases make it easy to move camera between different mounts and locations
- Compatible with all GoPro or equal quick release mounting systems

Item #7: Handheld marine VHF radio waterproof

- Standard Horizon HX870 or equivalent
- Meets ITU-R M493-13 Class D DSC (Digital Selective Calling)
- Separate Receiver for CH70 (Receiving DSC Calls)
- Integrated 66 Channel WAAS GPS receiver
- Oversized full dot matrix display (1.7" (W) x 1.7" (H) or 2.3" diagonal)
- Easy to Operate Icon/Menu System
- Navigate to a DSC Distress Call with Compass Page
- GM (Group Monitor) using DSC Group Position Call
- DSC Test Call and Auto DSC Channel Change Selection
- Automatically poll the GPS position of a ship using DSC
- Enter, Save, and Navigate to a waypoint with Compass Page
- MOB (Man Over Board) Function
- Water Activated Emergency Strobe Light
- 1W, 2W or 6W Transmit Power options
- Navigation (LAT/LON, SOG, and COG) information shown on display
- Submersible IPX8 waterproof rating (1.5M or 4.92 feet for 30 minutes)
- Noise-canceling Function for both transmit and receive audio
- All USA/International and Canadian Marine Channels
- USB Data Port - NMEA Output DSC, DSE, GLL, RMC, GSA, GSV and GGA (9600 baud)
- NOAA Weather Channel with Weather Alert
- Programmable Scan, Priority Scan, and Dual and Tri Watch
- Preset key used to recall up to 10 favorite channels
- Supplied with a 1800 mAh Li-Ion Battery, 110VAC and 12VDC 3-hour quick chargers; Alkaline Battery Tray

Illustrative picture:



Item #8: Launch Pad

- Hoodman Launch Pad 5 Ft- HDLP or equivalent
- Easy set up springs into shape when released from 20 inch carry bag
- 8 pound zinc coated perimeter cable keeps drone launch pad in place without stakes
- Keeps your camera lens clean during launch and landing
- Protects rotors from tall grass and pebble strikes
- Rustproof components clean up with a wet towel

Illustrative picture:



Item #9: Search Light and speaker compatible with DJI M30T

- CZI LP12 Search Light or equivalent
- Compatible with item #3
- Broadcasting and lighting two-in-one design
- LRAD Sound Technology & Optical Imaging
- 120dB Ultra-high sound pressure
- Effective illumination distance up to 100m
- Effective sound distance up to 200m
- Bionic Aesthetic Appearance and Excellent Technique
- Quick mount and dismount for easy use
- OSDK Perfectly adapted to DJI M30 Series

Illustrative picture:



Item #10: Sensor head set

- DJI Racing Edition Goggles or equivalent
- Screen Size 5-inch × 2
- Screen Resolution 3840 × 1080 (single screen: 1920 × 1080)
- Transmitter Power (EIRP) 2.4 GHz:
- 25.5 dBm (FCC); 18.5 dBm (CE); 19 dBm (SRRC)
- 5.8 GHz:
- 25.5 dBm (FCC); 12.5 dBm (CE); 18.5 dBm (SRRC)
- Live View Modes 1080p30, 720p60, 720p30
- Video Format MP4 (H.264)
- Supported Video Play Format MP4, MOV, MKV
- Battery Capacity: 9440 mA
- Sensor 1/3" CMOS;
- Effective pixels: 1.2M
- Lens 2.65 mm, f/2.0
- Lens Group 6G + IR
- Shutter Global shutter
- ISO 100 - 3200
- FOV 148° (D); 111° (H); 79.5° (V)
- Communication Frequency 2.4 GHz / 5.8 GHz
- Transmitter Power (EIRP) 2.4 GHz:
- 22.5 dBm (FCC); 18.5 dBm (CE); 19 dBm (SRRC)
- 5.8 GHz:
- 25.5 dBm (FCC); 12.5 dBm (CE); 25.5 dBm (SRRC)
- Live View Modes and Min. Latency 960p50: 70 ms; 720p60: 60 ms; 480p50: 50 ms
- Max. Transmission Distance 2.4 GHz: 7 km (FCC); 4 km (CE); 4 km (SRRC)
- 5.8 GHz: 4 km (FCC); 0.7 km (CE); 4 km (SRRC)
- Recommended Frequency Band 5.8 GHz; CE: 2.4 GHz; SRRC: 5.8 GHz
- Video Format MP4 (MPEG4)
- I/O Interface S.Bus, Micro USB, PPM, UART, MMCX, Micro SD card slot
- Supported Flight Control Systems F3, F4, KISS, NAZE
- Supported Remote Controllers X9D (Frsky), DEVO 10 (Walkera), T8FG (Futaba), T14SG (Futaba), WTF09sII (WFLY), AT9S (RadioLink)
- Operating Temperature Range 32° to 104° F (0° to 40° C)

- Input Power 9-16.8 V (3S-4S)

Illustrative picture:



Item #11: Tablet

- Samsung Galaxy Tab S8 Tablet with Bluetooth S Pen, Android, 8GB RAM, 256GB, Wi-Fi, 11", Graphite or equivalent
- 11" LTPS LCD display
- 8GB RAM
- 12MP Ultra Wide
- quad speakers
- Bluetooth S Pen
- Qualcomm Snapdragon 8 Gen 1 processor or equivalent
- enabling multiple apps running smoothly, brilliantly reactive gaming action, and smooth scrolling
- 120Hz refresh rate
- 12MP Ultra Wide front camera
- Dual 13MP + 6MP (ultra wide) rear camera lenses

Item #12: Tablet case

- Rugged case for Samsung S8 11" with kick stand, hand and shoulder strap (compatible with item #12)
- Hardened, Polycarbonate shell with impact absorbent silicon wrap
- Adjustable hand and shoulder strap system
- Cut-outs for charge port, camera, and speakers
- Integrated kick-stand
- Silicon corner bumpers for screen protection
- 2 year warranty

Illustrative picture:



Item # 13: Thermal image camera

- Teledyne FLIR K53 or equal with FSX™ Flexible Scene Enhancement
- IR Resolution: 320 × 240 pixels
- Display: 4 in. LCD, 320 × 240 pixels, backlit
- Object Temperature Range: -20°C to 150°C (-4°F to 302°F) 0°C to 650°C (32°F to 1202°F)
- Camera weight incl. battery: 1.1 ±0.05 kg (2.4 ±0.1 lb.)
- Camera size (L x W x H): 120 × 125 × 280 mm (4.7 × 4.9 × 11 in.)
- Contrast optimization: Digital image enhancement using FSX
- Depth of Field: 0.84 m to infinity (33 in. to infinity)
- Detector Type: Focal plane array (FPA), uncooled microbolometer
- Field of view (FOV): 51° × 38°
- Focal Length: 9 mm (0.35 in.)
- Focus: Fixed
- Image Frequency: 60 Hz
- Spectral Range: 7.5-13 μm
- Storage Capacity: 200 files in total, with a maximum duration of 30 minutes. The total number of files is co-dependent on the number of saved images.
- File Formats: Standard JPEG
- Storage Media: Internal flash memory
- USB: USB Mini-B



Illustrative picture:

Item #14: Waterproof handheld GPS Unit (type 1)

- Garmin GPS 73 Handheld GPS Navigator or equivalent

- High-sensitivity GPS marks and stores 1,000 waypoints and 100 tracks
- Marks your favourite locations to easily navigate back to them
- Garmin SailAssist# for GPS 73 includes virtual starting line, heading line, countdown timers and tack assist
- Sunrise/sunset, estimated time of arrival, other calculations and marine data
- Built-in backlight
- It floats!
- NMEA 0183 & USB ports
- High-contrast display makes it easy to read in all lighting conditions.

Illustrative picture:



Item #15: Anemometer (type 2)

- Silva ADC Summit or equivalent
- Cumulative ascent / descent height display and (ski snowboard) descent counter
- Current air pressure (mbar, hPa or in Hg) and development (24 h)
- Weather forecast with 5 levels
- Data storage (automatic and / or manual)
- Data exchange via infrared possible via optional IR receiver
- Waterproof IPX7
- Material: ABS polycarbonate
- Altitude (momentary, minimum and maximum) and altitude alarm

Illustrative picture:



Item #16: Binoculars

- Steiner M1050r / LPF 10x50 with Laser Protection Filter or equivalent

- Magnification 10x
- Objective Lens 50 mm
- Field of view: 392 ft at 1000 yds
- Floating Prism System
- uses flexible silicone lens mount to absorb severe shock, impact and abuse without damage
- Multi-Coated Optics
- Sports-Auto Focus™ System lets you focus each eyepiece to your vision once, then keeps images razor sharp from 20 yards to infinity.
- N2 Injection™ system seals 14-psi pressurized dry nitrogen into the optic, for fogproof clarity in any condition - from arctic cold to desert heat.
- Cylindrical Eyecups - shield the eyes from sun, grit and wind, and can be folded down for viewing with sunglasses or gas masks.
- NBR Rubber Armoring - durable, slip-proof and noiseless to ensure secure, chassis protecting grip in all conditions.
- Makrolon® housing is durable polycarbonate with NBR Long Life rubber armoring, creating a lightweight, rugged chassis that withstands 11 Gs of impact. Impervious to harsh conditions for generations of trusted use.
- Equipped with a ranging reticle
- Included Accessories: Neck Strap, Objective Cover, Rain Protection Cap
- This item must be equipped with LPF protection, and be ITAR controlled.

Illustrative picture:



Item #17: GoPro chesty harness

- Lightweight, flexible construction balances comfort and performance
- Padded and breathable materials stay comfortable during any activity
- Fully adjustable to fit a wide range of body types and over heavy winter jackets
- Specially designed quick-release buckle lets you get in and out easily—even with gloves on
- Stable platform for capturing incredibly immersive hands-free footage with your GoPro camera.
- Compatible with item #23

Illustrative picture:



Item #18: Go Pro Head Strap and QuickClip

- Head Strap is fully adjustable to fit all sizes
- Head Strap can be strapped to a helmet or directly on your head in a headlamp-like position
- QuickClip allows you to attach your GoPro to backwards baseball caps, belts and more
- QuickClip enables ultra compact, low-profile mounting
- Compatible with item #23

Illustrative picture:



Item #19: GPS portable unit

- Garmin GPSMAP 65s GPS or equivalent
- Dimensions: 6.1 x 16.0 x 3.6 cm
- Display: 3.6 x 5.5 cm; 2.6-inch diagonal (6.6 cm)
- Resolution: 160 x 240 pixels
- Type: Transflective, 65K colour TFT
- Weight: 217g with batteries
- Battery Type: 2 AA batteries (not included); NiMH or Lithium recommended
- Battery Life: 16 hours
- Water resistant rating: IPX7
- High Sensitivity Receiver
- Interface: High-speed mini USB and NMEA 0183 compatible
- Memory: 16 GB (user space varies based on included mapping)
- Preloaded Maps: TopoActive Europe; routable
- Ability to add maps
- Basemap
- Automatic routing (Turn by turn on roads)
- Map segments: 3000
- 250 BirdsEye Imagery files
- Includes detailed hydrographic features:
- Coastlines, Lake/river shorelines, Wetlands and Perennial and Seasonal streams
- Includes searchable points of interest:
- Parks, Campgrounds, Scenic Lookouts and Picnic sites
- Displays National and state and local parks and forests
- Storage capacity: Yes (32 GB max microSD card)

- Waypoints and Locations: 5,000
- Tracks: 200
- Track Log: 10,000 points, 200 saved tracks
- Routes: 200, 250 points per route; 50 points auto routing
- GPS
- GLONASS
- GALILEO
- QZSS
- Barometric Altimeter
- Compass (tilt-compensated 3-axis)
- GPS Compass (while moving)
- Multi-band frequency support
- Smart notifications on handheld
- Birb Camera Remote
- Compatible with Garmin Connect Mobile
- Point-to-point navigationPOINT-TO-POINT NAVIGATION
- Compatible with BasecampCOMPATIBLE WITH BASECAMP™
- Area CalculationAREA CALCULATION
- Hunt/Fish CalendarHUNT/FISH CALENDAR
- Sun and Moon informationSUN AND MOON INFORMATION
- Geocaching friendly
- Custom Maps compatible (500 custom map tiles)
- Picture Viewer
- Compatible with Garmin Explore App and website
- Wireless connectivity: Bluetooth, ANT+

Illustrative picture:

