

Projet Ukraine

Composants du drone :

prix

poids

4 moteurs

**4010-580KV
Turnigy Multistar
22 Pole Brushless
Multi-Rotor Motor
With Extra Long
Leads**

http://www.hobbyking.com/hobbyking/store/_41620_4010_580KV_Turnigy_Multistar_22_Pole_Brushless_Multi_Rotor_Motor_With_Extra_Long_Leads.html&aff=793697



148,18 512G

1 Châssis

**Hobbyking X650F Glass
Fiber Quadcopter Frame
550mm**

http://www.hobbyking.com/hobbyking/store/uh_viewitem.asp?idproduct=41765



37,17 598G

4 ECS

**Turnigy Multistar 40A V2
Slim BLHeli Multi-Rotor
Brushless OPTO ESC 2-
6S**

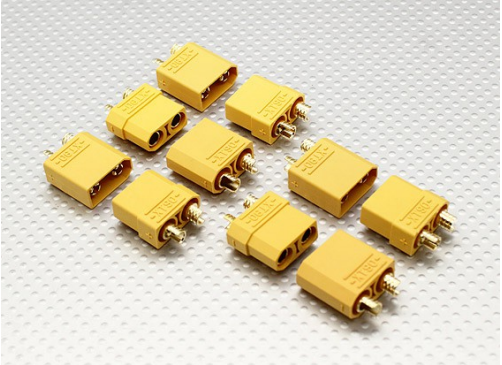
http://www.hobbyking.com/hobbyking/store/_65158_Turnigy_Multistar_40A_V2_Slim_BLHeli_Multi_Rotor_Brushless_OPTO_ESC_2_6S.html&aff=793697



57,56 140G

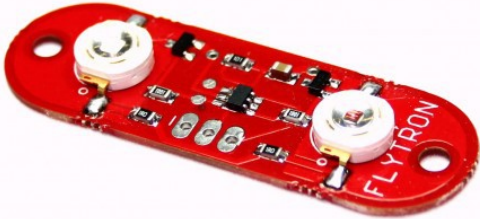
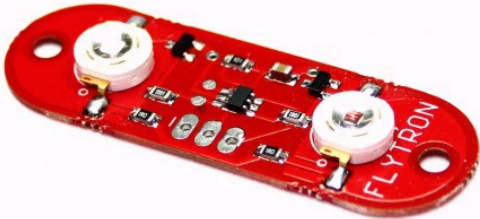
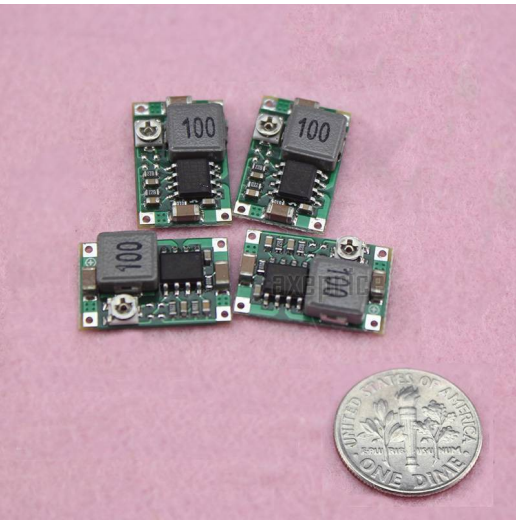
2 jeux d'hélices 18x6,5 Multistar Timber T-Style Propeller 18x6.5 White (CW/CCW) (2pcs) http://www.hobbyking.com/hobbyking/store/_78153_MultiStar_White_Edition_18_x_6_5_Multi_Rotor_Wood_Props_CW_CCW_Set_T_Style_Direct_bolt_.html&aff=793697		66,02	236g
1 télécommande FrSky 2.4GHz ACCST TARANIS X9D PLUS Digital Telemetry Radio System (Mode 2) http://www.hobbyking.com/hobbyking/store/_67750_FrSky_2_4GHz_ACCST_TARANIS_X9D_PLUS_Digital_Telemetry_Radio_System_Mode_2_.html&aff=793697		170,1	1654G
? 1 récepteur pour la télécommande pour longue portée ? facultatif FrSky X8R 8/16Ch S.BUS ACCST Telemetry Receiver W/Smart Port http://www.hobbyking.com/hobbyking/store/_41608_FrSky_X8R_8_16Ch_S_BUS_ACCST_Telemetry_Receiver_W_Smart_Port.html&aff=793697		30,57	16,8G

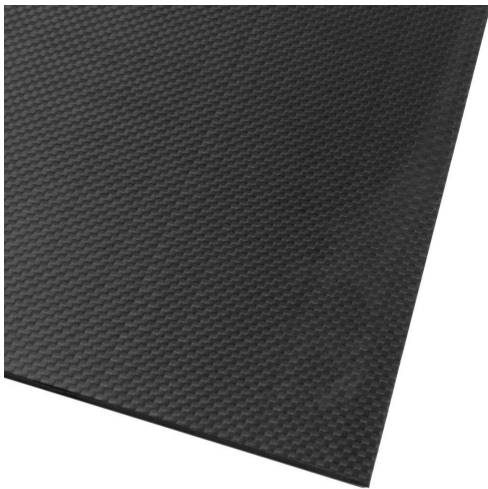
1 adaptateur télémétrique FrSky Telemetry Receiver upgrade USB/Serial lead interface http://www.hobbyking.com/hobbyking/store/_16672_FrSky_Telemetry_Receiver_upgrade_USB_Serial_lead_interface.html&aff=793697		3,42	15G
1 récepteur long portée (non télémétrique) FrSky L9R 9/12CH S.BUS ACCST Long Range Receiver (Non-Telemetry) http://www.hobbyking.com/hobbyking/store/_65380_FrSky_L9R_9_12CH_S_BUS_ACCST_Long_Range_Receiver_Non_Telemetry.html&aff=793697		31,71	19g
1 Chargeur Fr sky FrSky AC/DC Charge Adapter EU Version http://www.hobbyking.com/hobbyking/store/_45030_FrSky_AC_DC_Charge_Adapter_EU_Version.html&aff=793697		4,49	89
1 antenne 433mhz télémétrique ImmersionRC 433MHz "Sander" Antenna (Replacement or Telemetry Radio Upgrade) http://www.hobbyking.com/hobbyking/store/_63105_ImmersionRC_433MHz_34_Sander_34_Antenna_Replacement_or_Telemetry_Radio_Upgrade.html&aff=793697		1,97	7g

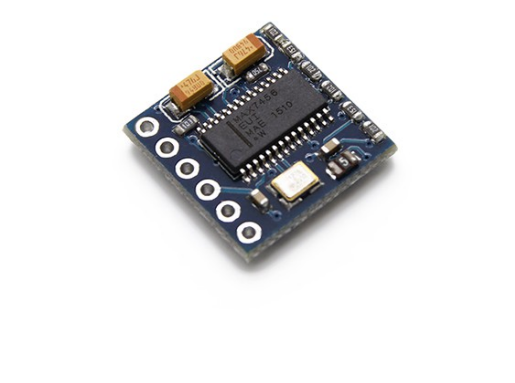
1 bande velcro Polyester Velcro Peel-n-stick (Black) (1 Meter) http://www.hobbyking.com/hobbyking/store/_74090_Polyester_Velcro_Peel_n_stick_Black_1_Meter_.html		2,45	80g
1 vernis imperméable Pour les ongles ? ^^ HK-175 Thread Locker & Sealant High Strength (Green) http://www.hobbyking.com/hobbyking/store/_11410_HK_175_Thread_Locker_Sealant_High_Strength_Green_.html&aff=793697		4,31	27g
1 pack de connecteurs pour batterie Nylon XT90 Connectors Male/Female (5 pairs) http://www.hobbyking.com/hobbyking/store/_24707_Nylon_XT90_Connectors_Male_Female_5_pairs_.html&aff=793697		7,82	65g
1 pack de bande pour tenir les batteries Battery Strap 400X20mm (Black) (4pcs/bag) http://www.hobbyking.com/hobbyking/store/_12244_Battery_Strap_400X20mm_Black_4pcs_bag_.html&aff=793697		3,01	31g

1 mesureur de batterie durée de vie HobbyKing™ Cellmeter-7 Universal Digital Battery Checker/Balancer http://www.hobbyking.com/hobbyking/store/_41637_H_King_Cel_lmeter_7_Lipo_Life_Li_ion_Nimh_Nicd_Digital_Battery_Checker_With_Balance_Function.html&aff=793697	 Photo for illustration purposes only	9,86	40g
1 chargeur de batteries tactile HobbyKing™ X200 AC/DC Touch Screen Smart Battery Charger 10A 6S (US Plug) http://www.hobbyking.com/hobbyking/store/_53601_HobbyKing_8482_X200_AC_DC_Touch_Scre_en_Smart_Battery_Charger_10A_6S_US_Plug_.html&aff=793697		88,45	1600g
1 buzzer HobbyKing® Discovery Buzzer http://www.hobbyking.com/hobbyking/store/_14521_HobbyKing_174_Discovery_Buzzer.html&aff=793697		2,65	5g
1 module Pixhawk (carte du drone) On peut acheter ça en pack mon amour <3 HKPilot32 Autonomous Vehicle 32Bit Control Set w/ Power Module http://www.hobbyking.com/hobbyking/store/_55561_HKPilot32		107,99	33,1

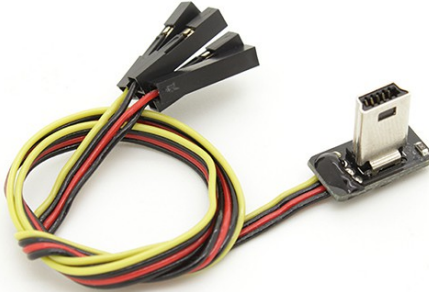
Autonomous_Vehicle_32Bit_Control_Set_w_Power_Module.html0&aff=793697			
1 gps Ublox Neo-M8N GPS with Compass http://www.hobbyking.com/hobbyking/store/_76928_Ublox_Neo_M8N_GPS_with_Compass.html?strSearch=ublox&aff=793697		45,61	32g
1 support gps Universal GPS Folding Antenna Base Set/Black http://www.hobbyking.com/hobbyking/store/_56745_Universal_GPS_Folding_Antenna_Base_Set_Black.html&aff=793697		4,46	18g
1 pack télémétrique émetteur – récepteur 433mhz HKPilot Transceiver Telemetry Radio Set V2 (433Mhz) http://www.hobbyking.com/hobbyking/store/_55559_HKPilot_Transceiver_Telemetry_Radio_Set_V2_433Mhz_.html&aff=793697		36,79	123g

1 bloc LED vert STROBON XL Navigation Strobe (GREEN) http://www.flytron.com/led-systems/186-strobon-xl-navigation-strobe-green.html		9	3,3g
1 bloc LED vert http://www.flytron.com/led-systems/186-strobon-xl-navigation-strobe-green.html http://www.flytron.com/led-systems/185-strobon-xl-navigation-strobe-red.html		9	3,3g
1 pack de convertisseur de tension 4pcs Mini DC-DC Converter Step Down Module Adjustable 4.75-20 / 1-17V for RC PLANE http://www.ebay.com/itm/4pcs-Mini-DC-DC-Converter-Step-Down-Module-Adjustable-4-75-20-1-17V-RC-PLANE-/380758123347?pt=LH_DefaultDomain_0&hash=item58a6f3e354		2,65	4g

1 pack de pâte thermique 2 Pieces x Thermal Grease Paste Heat Sink For CPU Heatsink Silicone http://www.befr.ebay.be/itm/2-Pieces-x-Thermal-Grease-Paste-Heat-Sink-For-CPU-Heatsink-Silicone-Compound-1g-/391099077512?hash=item5b0f525388		1,17	8g
1 plaque de carbone Pour faire une coque:) 200×300×2mm With 100 % Real Carbon Fiber plate /panel /sheet 3K Plain Weave HS http://www.befr.ebay.be/itm/200-300-2mm-With-100-Real-Carbon-Fiber-plate-panel-sheet-3K-Plain-Weave-HS-/111710402597?hash=item1a02757825		18,4	0
1 adaptateur coaxial SMA male plug to RP-SMA female plug RF coaxial adapter connector http://www.ebay.com/itm/SMA-male-plug-to-RP-SMA-female-plug-RF-coaxial-adapter-connector-/360905925029?pt=LH_DefaultDomain_0&hash=item5407ab61a5		1,5	30g

1 émetteur vidéo pour vidéo temps réel, connecté au module micro minim ON OSD pour moyenne portée SkyZone FPV 5.8GHz 600mW 32CH A/V Transmitting (TX) Module TS832 RP-SMA http://www.hobbyking.com/hobbyking/store/_43722_SkyZone_FPV_5_8GHz_600mW_32CH_A_V_Transmitting_TX_Module_TS832_RP_SMA.html&aff=793697		56,3	21G
1 module pour connecter la caméra principale afin d'afficher sur la vidéo, les éléments de télémétrie Micro Minim On Screen Display (OSD) with KV Team Mod http://www.hobbyking.com/hobbyking/store/_81598_Micro_Minim_On_Screen_Display_OSD_with_KV_Team_Mod.html&aff=793697		11,26	1,2G
1 écran de contrôle 7pouces 7 inch 800 x 480 5.8GHz Diversity Receiver & TFT LCD FPV Monitor with LED Backlight SkyZone http://www.hobbyking.com/hobbyking/store/_35055_7_inch_800_x_480_5_8GHz_Diversity_Receiver_TFT_LCD_FPV_Monitor_with_LED_Backlight_SkyZone.html		115,36	0

1 support écran / télécommande Universal Carbon FPV Monitor To Transmitter Mount System http://www.hobbyking.com/hobbyking/store/_40608_Universal_Carbon_FPV_Monitor_To_Transmitter_Mount_System.html&aff=793697	 Photo for illustration purposes only	9,41	0G
? 1 récepteur vidéo portée moyenne pour „, (Image à confirmer et modèle aussi) TBS DOMINATOR RX (5.8GHz) V1.3 http://www.hobbyking.com/hobbyking/store/_87765_TBS_DOMINATOR_RX_5_8GHz_V1_3.html		53,96	74G
1 enregistreur pour carte SD (facultatif ?) SD DVR High Resolution Digital Video Recorder for FPV http://www.hobbyking.com/hobbyking/store/_25321_SD_DVR_High_Resolution_Digital_Video_Recorder_for_FPV.html&aff=793697		47	0G

1 nacelle 3 axes Quantum Q-3D Brushless 3-Axis Camera Gimbal (suitable for Nova, Scout X4, Phantom, QR X350 etc.) http://www.hobbyking.com/hobbyking/store/_65793_Quantum_Q_3D_Brushless_3_Axis_Camera_Gimbal_suitable_for_Nova_Scout_X4_Phantom_QR_X350_etc_.html&aff=793697	 Quantum FPV+ Camera not incl	107,99	188G
1 adaptateur câble pour enregistrer images GoPro + visualiser en même temps les images Super Slim GoPro 3 A/V Cable And Power Lead For FPV http://www.hobbyking.com/hobbyking/store/_49451_Super_Slim_GoPro_3_A_V_Cable_And_Power_Lead_For_FPV.html&aff=793697		1,71	2,6G
1 caméra pour la direction FPV Mobius Wide Angle C2 Lens ActionCam 1080p HD Video Camera Set With Live Video Out http://www.hobbyking.com/hobbyking/store/_85542_Mobius_Wide_Angle_C2_Lens_ActionCam_1080p_HD_Video_Camera_Set_With_Live_Video_Out.html&aff=793697		62,99	39g

1 Camera (facultatif) zoom x10
Irouge
Pas mal pour commencer dans la
nuit !:)

FM10X Micro 700TVL Zoom Camera

<http://www.flytron.com/camera-video-equipment/267-fm10x-micro-700tvl-zoom-camera.html>



190

53g

1 GoPro 4 BLACK ou autre.

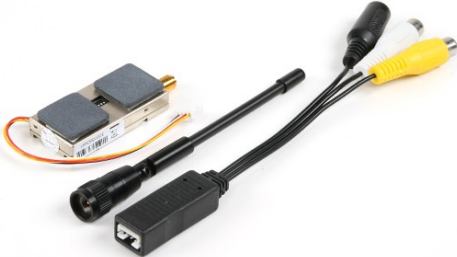
**GoPro HERO4 Black
Adventure Actionkamera
(12 megapixels, 41,0 mm
x 59,0 mm x 29,6 mm)**

http://www.amazon.de/Go-Pro-Actionkamera-HERO4-Black-Adventure/dp/B00O32GGTK/ref=sr_1_3?ie=UTF8&qid=1444408002&sr=8-3&keywords=gopro+4+black

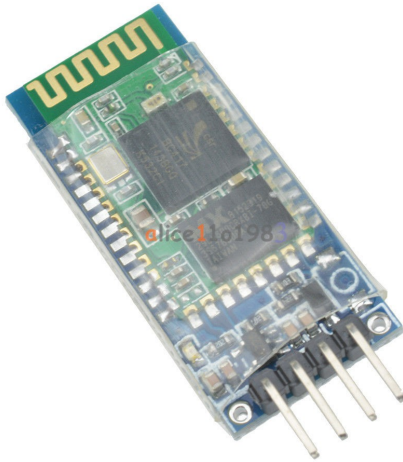
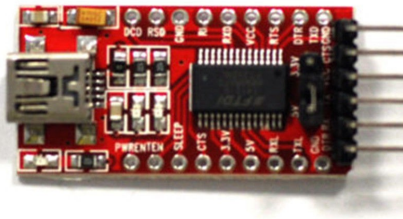


399
0

86g

1 patch pour recepteur antenne longue distance ImmersionRC and Fatshark SpiroNet 2.4GHz Patch Antenna RHCP http://www.hobbyking.com/hobbyking/store/_69291_ImmersionRC_and_Fatshark_SpiroNet_2_4GHz_Patch_Antenna_RHCP.html&aff=793697		80,1	0
1 câble extension connecteur pour antenne Aomway Antenna Extension Cable (SMA Plug <-> SMA Jack) http://www.hobbyking.com/hobbyking/store/_72583_Aomway_Antenna_Extension_Cable_SMA_Plug_gt_SMA_Jack_.html&aff=793697		2,74	9,7g
1 Emetteur pour la vidéo longue distance Lawmate 2.4GHz 8CH 1000mW Wireless AV Transmitter for FPV CCTV Camera http://www.hobbyking.com/hobbyking/store/_77816_Lawmate_2_4GHz_8CH_1000mW_Wireless_AV_Transmitter_for_FPV_CCTV_Camera.html&aff=793697		71,82	76g

? 1 Récepteur pour la vidéo longue distance (à vérifier) pour écran télécommande ? SkyZone RC802 - 2.4Ghz 8 Channel AV Receiver http://www.hobbyking.com/hobbyking/store/_86438_SkyZone_RC802_2_4Ghz_8_Channel_AV_Receiver.html		17,44	102G
1 Adaptateur USB pour vidéo sur PC Easycap USB 2.0 TV Video Audio VHS to DVD HDD Converter Capture Card Adapter http://www.ebay.com/itm/Easycap-USB-2-0-TV-Video-Audio-VHS-to-DVD-HDD-Converter-Capture-Card-Adapter-/401046802338?hash=item5d60408fa2:g:fakAAOSwv0tVFIEQ		4,99	0
1 Antenne pour émission vidéo (En remplacement de la Rmilec 433mhz) DeLock ANTENNE ISM 433 MHz SMA 2,5 dBi omni starr schwarz Klebemontage http://www.befr.ebay.be/itm/DeLock-ANTENNE-ISM-433-MHz-SMA-2-5-dBi-omni-starr-schwarz-Klebmontage-/131197161895?pt=DE_Computing_Booster_Extender_Antennen&hash=item1e8bf5d1a7		7,49	15g

1 transmetteur bluetooth Wireless Serial 4 Pin Bluetooth RF Transceiver Module HC-06 RS232 With backplane http://www.befr.ebay.be/itm/Wireless-Serial-4-Pin-Bluetooth-RF-Transceiver-Module-HC-06-RS232-With-backplane-/200924726178?hash=item2ec80c03a2		3,66	3g
1 adaptateur pour recevoir sur le PC ou Smartphone, la télémétrie FT232RL 3.3V 5V FTDI USB to TTL Converter Adapter Module for Arduino Mini Port http://www.befr.ebay.be/itm/FT232RL-3-3V-5V-FTDI-USB-to-TTL-Converter-Adapter-Module-for-Arduino-Mini-Port-/181815424198?hash=item2a550b34c6		2,58	5g
PARACHUTE ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Sky craft pour grosse machine !		
A voir			
1 nacelle Shock Absorbing 2 Axis Brushless Gimbal Kit for Action Cam http://www.hobbyking.com/hobbyking/store/_43670_Shock_Absorbing_2_Axis_Brushless_Gimbal_Kit_for_Action_Cam.html	 Motor not included	16,38	123g
2163,63 e	Total poids drone 4716,59		
