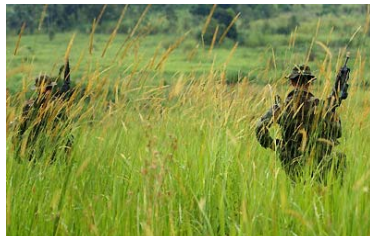




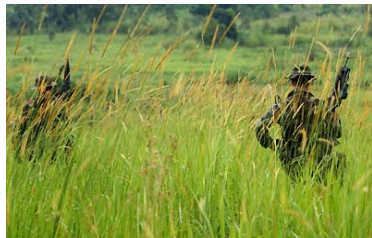
## TAG UAV Model Matrix

January 2005

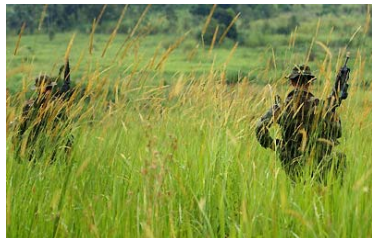
AIRCRAFT	M65	M80	M100	M2600	C25	C50	C80	C100	CT100
Production Status:	P	P	P	05/2006	P	P	P	P	P
<b>Performance:</b> (In standard configuration)									
Power Plant	64cc Twin	82cc Twin	104cc Twin	2600cc 4 Cyl	26cc Single	54cc Twin	82cc Twin	104cc Twin	SE Turbo
Useful Payload	15kg	21kg	28kg	227kg	12kg	16kg	18kg	24kg	34kg
Normal Cruise	100kph	100kph	116kph	164kph	70kph	76kph	88kph	97kph	102kph
Maximum Range (with 5 kg payload)	405km 250 mile	650km 405 mile	735km 455 mile	355k 220mile	-	-	305k 190mile	330km 205 mile	-
Maximum Endurance (with 5 kg payload)	5 hr	7 hr	7 hr	2 hr	45 min	70 min	4 hr	4hr	45 min
Service Ceiling ASL	4000m 13000ft	4000m 13000ft	4000m 13000ft	3200m 10500ft	3000m 10000ft	3000m 10000ft	3600m 12000ft	3600m 12000ft	4300m 14000ft
<b>Features:</b>									
Carbon Fiber Airframe	S	S	S	S	S	S	S	S	S
Assembled and tested by Certified FAA airframe and flight engineers	S	S	S	S	S	S	S	S	S
Factory break in and flight certification test	S	S	S	S	S	S	S	S	S
Redundant control and mechanical systems	S	S	S	S	O	O	O	O	O
Base Price – Aircraft Only (total cost varies with options)	U	U	U	U	\$18000	\$24500	\$44600	\$62000	\$78000
<b>Flight and Control Systems:</b>									
LOS (Line of Sight) - manual flight control	S	S	S	-	S	S	S	S	S
Flight Assist (altitude/heading/airspeed hold)	O	O	O	-	O	O	O	O	O
Flight Control System - Semi Autonomous (requires pilot to land/take off)	O	O	O	O	-	-	O	O	O
Flight Control System - Fully Autonomous	O	O	O	O	-	-	O	O	O
Flight Control System - Remote Pilot	O	O	O	O	-	-	O	O	O
Onboard Telemetry Downlink	S	S	S	S	O	O	O	O	O
Flight Recorder	S	S	S	S	O	O	O	O	O



AIRCRAFT	M65	M80	M100	M2600	C25	C45	C80	C100	CT100
Portable Ground Control Station (LOS)	0	0	0	0	0	0	0	0	0
Portable Ground Control Station (Remote or Autonomous Systems)	0	0	0	0	-	-	0	0	0
Mobile Ground Control Station (Remote or Autonomous Systems)	0	0	0	0	-	-	0	0	0
Fixed Base Ground Control Station (Remote or Autonomous Systems)	0	0	0	0	-	-	0	0	0
Onboard Pentium 4™ Flight Computer	S	S	S	S	-	-	0	0	0
<b>Mechanics and Systems:</b>									
Rotor – 2 Blade	S	S	S	S	S	S	S	S	S
Rotor – 3 Blade	0	0	0	0	0	0	0	0	0
Rotor – 4 Blade	0	0	0	-	0	0	0	0	0
Rotor – 5 Blade	0	0	0	-	0	0	0	0	0
FailSafe Auto Hover	S	S	S	S	-	0	0	0	0
FailSafe Auto Decent	S	S	S	S	-	0	0	0	0
FailSafe Base Return	S	S	S	S	-	0	0	0	0
Ballistic Parachute - 3.5 meters/second decent rate (typical)	S	S	S	0	-	0	0	0	0
Governor	S	S	S	S	0	0	0	0	-
Rotor Brake	S	S	S	S	S	S	S	S	S
Electric Start	S	S	S	S	S	S	S	S	S
Generator with battery and charging system	S 250w 40/28v	S 250w 40/28v	S 250/500w 40/28v	S TBA 40/28v	0 250w 12/6v	0 250w 12/6v	0 250w 12/6v	0 500w 12/6v	0 500w 12/6v
Electronic Ignition and ECU	S	S	S	S	-	0	0	0	0
FADEC	S	S	S	S	-	-	0	0	0
EMI/RFI Shielded Electronics	S	S	S	S	0	0	0	0	0
Hi Performance Servos	S	S	S	S	0	0	0	0	0
Mode C Transponder	0	0	0	0	-	0	0	0	0
<b>Payloads:</b>									
Fixed Camera Mount (Non-Stabilized)	0	0	0	0	0	0	0	0	0
EO/IR Camera Pod - 3 Axis Gyro (suitable for casual video)	-	-	-	-	0	0	0	0	0
EO/IR Camera Pod - 3 Axis Gyro (suitable for light commercial video)	0	0	0	0	0	0	0	0	0
EO/IR Camera Pod - 3 Axis Gyro (suitable for motion pictures & professional video)	0	0	0	0	-	-	0	0	0
Video Downlink - 1km	0	0	0	0	0	0	0	0	0
Video Downlink - 3km	0	0	0	0	0	0	0	0	0
Video Downlink - 15km	0	0	0	0	-	0	0	0	0
Video Downlink - 50km	0	0	0	0	-	-	0	0	0
Video Satellite Uplink	0	0	0	0	-	-	-	0	0
Video GSM Link (Stills)	0	0	0	0	-	0	0	0	0
Video Camera	0	0	0	0	0	0	0	0	0
16mm Film	-	-	0	0	-	-	-	0	0
35mm Film	-	-	0	0	-	-	-	0	0
IR – Thermal Cameras	0	0	0	0	-	-	0	0	0



AIRCRAFT	M65	M80	M100	M2600	C25	C45	C80	C100	CT100
Digital or Still Cameras	0	0	0	0	0	0	0	0	0
FLIR Camera	-	0	0	-	-	-	0	0	0
Sensory Instrumentation: <ul style="list-style-type: none"> <li>Thermal</li> <li>Radiation</li> <li>Bio-Chem</li> <li>Explosives</li> </ul>									
Communications/Electronics: <ul style="list-style-type: none"> <li>Video Repeater</li> <li>Data/LAN/WAN Hub/Repeater</li> <li>COMINT/SIGINT (R)</li> <li>ECM (R)</li> <li>SAR (R)</li> <li>GSM Repeater/Cell</li> </ul>									
Mapping and Surveying									
Targeting and Weapons (R)									
<b>Finishing &amp; Environmental:</b>									
Paint - Standard	S	S	S	S	S	S	S	S	S
Paint - Custom	0	0	0	0	0	0	0	0	0
Environmental Package - Arctic	0	0	0	0	-	-	0	0	0
Environmental Package - Marine	0	0	0	0	-	-	0	0	0
Environmental Package - Desert	0	0	0	0	-	-	0	0	0
Environmental Package - High Altitude	0	0	0	0	-	-	0	0	0
Environmental - De-Icing	-	0	0	0	-	-	0	0	0
<b>Transportation:</b>									
ATA Transport Case	0	0	0	Trailer	0	0	0	0	0
<b>Support:</b>									
Maintenance Programs	0	0	0	0	0	0	0	0	0
Flight Systems and Software Support	0	0	0	0	-	0	0	0	0
<b>Training:</b>									
LOS Basic Training	0	0	0	-	0	0	0	0	0
LOS Intermediate Flight Training	0	0	0	-	0	0	0	0	0
LOS Advanced Flight Maneuvers	0	0	0	-	0	0	0	0	0
LOS Instrumentation and Measurement	0	0	0	-	-	0	0	0	0
LOS Video / Film	-	-	-	-	0	0	0	0	0
LOS Surveillance / Recon	0	0	0	-	-	-	-	-	-
UAV A&P I	0	0	0	0	-	-	0	0	0
UAV A&P II	0	0	0	0	-	-	-	-	-
Autonomous Flight Control & Programming	0	0	0	0	-	-	-	0	-
UAV Telemetry Systems	0	0	0	0		0	0	0	-
Remote Flight I	0	0	0	0	-	-	-	0	-
Remote Flight II	0	0	0	0	-	-	-	0	-
Remote Flight III	0	0	0	0					
UAV Operations and Management	0	0	0	0	0	0	0	0	0



AIRCRAFT	M65	M80	M100	M2600	C25	C45	C80	C100	CT100
Asset Patrol and Inspection	0	0	0	0	-	-	0	0	-
Law Enforcement Applications (R)	0	0	0	-	-	-	0	0	-
Firefighting Applications	0	0	0	-	-	-	-	-	-
NBC Operations (R)	0	0	0	-	-	-	-	-	-
UAV Spec Ops Applications (R)	0	0	0	-	-	-	-	-	-
ECM / ELINT Applications (R)	0	0	0	-	-	-	-	-	-
Tactical Operations (R)	0	0	0	-	-	-	-	-	-

O = Optional equipment available for this aircraft  
 P = In production  
 S = Standard equipment included with this aircraft  
 U = Unpublished – available on official request  
 R = Restricted to approved government, military and law enforcement organizations



## TAG UAV Model Matrix

Model	Typical Aircraft Application Types
C25	Small to medium still, digital and video cameras, small film cameras, scientific instrumentation and sensors, development test platform for small equipment loads
C45	Small to large still, digital and video camera, small to medium film cameras, instrumentation and sensors, small to medium IR and thermal cameras, development and test platform for small to medium equipment loads
C80	Small to large still, digital and video cameras, small to large film cameras, instrumentation and , small to large IR and thermal cameras, development and test platform for small to large equipment loads, civil patrol, fire patrol, security and surveillance patrols, pipeline and power line inspection, communications relay, search and rescue,
C100	Small to large still, digital and video cameras, small to large film cameras (motion picture), instrumentation and sensors, small to large IR and thermal cameras, development and test platform for small to large equipment loads, civil patrol, fire patrol, security and surveillance patrols, pipeline and power line inspection, communications relay, search and rescue, police patrol, fire departments
CT100	Small to large still, digital and video camera, small to large film cameras, instrumentation and sensors, small to large IR and thermal cameras, development and test platform for small to large equipment loads
M65	Military and law enforcement – available on official request
M80	Military and law enforcement – available on official request
M100	Military and law enforcement – available on official request

