

\odot **CRYSALIS**™ TACTICAL GCS

Crysalis Tactical GCS is AeroVironment's ground control system for small UAS operations from semi-fixed positions with single or dual operator deployment. Backpackable, lightweight, and rugged for use in any environment with an operational range up to 20 km. This turnkey system is designed around the Crysalis[™] Controller Pro featuring the intuitive Crysalis[™] Control App, providing both virtual touchscreen or tactile joystick control of UAS assets and payloads. Additional components include AeroVironment's Standard Range Antenna, along with all necessary cabling, accessories and batteries included in one easily transportable ruggedized case.

Lightweight & Modular

CRYSALIS" TACTICAL GCS

DISTINCTIONS



>>> PORTABILITY Backpackable



>>> LINK RANGE 20 km



SETUP TIME 10 min



>>> WEIGHT System: 8.6 lb (3.9 kg)

SPECIFICATIONS

SOFTWARE

APPLICATION	Crysalis Control: Full-feature command & control of UAS assets and payloads
OPERATING SYSTEM	Android®
HARDWARE	
KIT COMPONENTS	Crysalis Controller Pro Bifurcated Cabling 2x BB-2557 Batteries Standard Range Antenna
COMPATIBLE UAS	Puma [™] LE, Puma [™] 3 AE, Raven [®] , Wasp [®] AE
COMPATIBLE Antennas	pDDL, Standard Range Antenna, ERA

SYSTEM PERFORMANCE

FREQUENCY BANDS	M1/2/5 or M3/4/6
ENVIRONMENTAL Rating	IP67

ALSO AVAILABLE

Crysalis[™] Tactical GCS with pDDL Crysalis[™] Tactical GCS with pDDL & Standard Range Antenna



(Å) END USER DEVICE	Crysalis Controller Pro: Samsung" smartphone in custom wrapper; virtual touchscreen or tactile joysticks for active input to Crysalis Control app
B APPLICATION	Crysalis Control
C ANTENNA	Standard Range Antenna: 20 km range; lightweight; patch/omni-directional configuration
D BATTERY	Dual BB-2557

KEY FEATURES –

- Single/Dual Operator Deployment—plan and execute missions from Crysalis Controller app UI
- Deprational Versatility—independent aircraft and payload command & control, UAS hand-offs and remote video terminal capabilities
- Standardized & Intuitive User Experience—across controlled assets and payloads, streamlining operations and reducing cognitive load
- » Secure connection—20 km digital data connection range; AES-256 data encryption
- » Modular-transition from semi-fixed to field-wearable with optional pocket DDL antenna
- » Hot-Swappable Batteries—maximizing mission operations and reducing downtime

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