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CRYSALIS[™] COMMAND GCS

Crysalis Command GCS is AeroVironment's modular and flexible ground control system for UAS operations from semi-fixed positions. Designed for extended range operations up to 20 km, Crysalis Command is ideal for command-level operations where mobility may not be priority. The system gives operators full control of multiple UAS and payloads through the available keyboard or trackpad on a ruggedized Panasonic[™] laptop or through tactile joysticks on the connected Crysalis[™] Controller Lite. Additional components include AeroVironment's Standard Range Antenna, cabling, accessories and dual hot-swappable batteries that allow for extended operations.

Extended ISR Operations

CRYSALIS[™] COMMAND GCS

DISTINCTIONS



>>> PORTABILITY Man-packable



>>>> LINK RANGE 20 km



SETUP TIME 15 min



>>> WEIGHT System: 14.3 lb (6.49 kg)

SPECIFICATIONS -

SOFTWARE

APPLICATION	Crysalis [™] Control: Full-feature command & control of UAS assets and payloads
OPERATING SYSTEM	Windows®
HARDWARE	
KIT COMPONENTS	Crysalis Controller Lite (bezel closed, no phone) Panasonic 2-in-1 hybrid laptop 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[™] Command All-in-One: All-in-one with both Standard Range Antenna & pDDL



A END USER B DEVICES	 A. Crysalis Controller Lite: Custom controller with tactile joysticks for active input to Crysalis Control app B. Fully ruggedized Panasonic 2-in-1 hybrid laptop
C APPLICATION	Crysalis Control
D ANTENNA	Standard Range Antenna: 20 km range; lightweight; patch/omni-directional configuration
E BATTERY	Dual BB-2557

KEY FEATURES –

- Dual Operator Deployment—plan, simulate and execute missions from Crysalis Controller app UI
- 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
- » Hot-Swappable Batteries—maximizing mission operations and reducing downtime
- Deprational Versatility—independent aircraft command & control, payload control, UAS hand-offs and remote video terminal capabilities
- » Ideal for command center integration

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