

A close-up photograph of a person's hands wearing tactical gloves, holding a ruggedized handheld device. The device's screen displays a map with various icons and data, typical of a ground control system interface. The person is wearing a camouflage uniform. The background is dark and out of focus.

CRYSALIS™ ULTRALIGHT GCS

Crysalis Ultralight GCS is AeroVironment's single operator, wearable ground control system for small UAS operations. Choose between virtual touchscreen or tactile joystick control of UAS and payloads at a range up to 5 km. Small, lightweight, and rugged for mobile ISR operations in any environment. The system consists of four components—Crysalis™ Controller Pro with the intuitive Crysalis™ Control app, pDDL antenna, cabling and battery. The system is Nett Warrior, MOLLE/PALS compatible providing an organic fit to existing plate carriers, tactical vests or chest harnesses for added mobility.

Ultralight & Wearable

CRYSALIS™ ULTRALIGHT

DISTINCTIONS



» PORTABILITY
Wearable



» LINK RANGE
5 km



» SETUP TIME
5 min



» WEIGHT
System: 4.7 lb [2.1 kg]

SPECIFICATIONS

SOFTWARE

APPLICATION	Crysalis Control: Full-feature command & control of UAS assets and payloads
OPERATING SYSTEM	Android®

HARDWARE

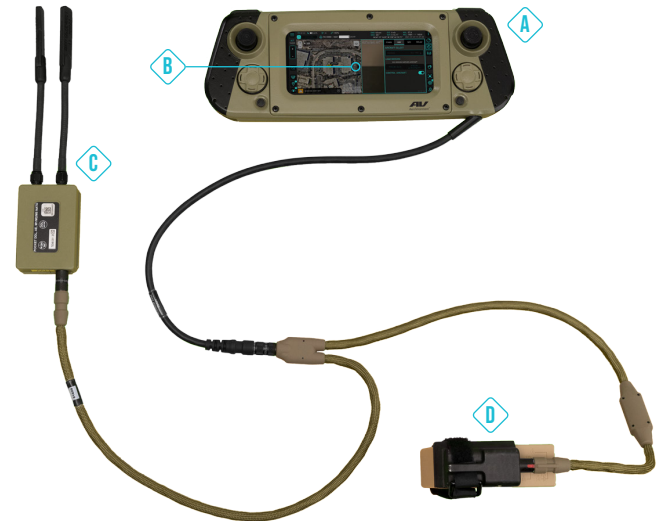
KIT COMPONENTS	Crysalis Controller Pro Bifurcated Cabling BB-2557 battery pDDL Antenna
COMPATIBLE UAS	Puma™ LE, Puma™ 3 AE, Raven®, Wasp® AE
COMPATIBLE ANTENNAS	pDDL, Standard Range Antenna, ERA

SYSTEM PERFORMANCE

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

ALSO AVAILABLE

Crysalis™ Ultralight GCS without tactile joysticks: Ultralight GCS with virtual joysticks on Samsung™ smartphone in Juggernaut Case



A 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	pDDL: 5 km range; ultra-compact
D BATTERY	Single BB-2557

KEY FEATURES

- » Ideal for on-the-move and mobile ISR operations
- » Single Operator Deployment—plan 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—5 km digital data connection range; AES-256 data encryption
- » Operational Versatility—independent aircraft and payload command & control, UAS hand-offs and remote video terminal capabilities