



TrakkaBeam® Accessories



HAND GRIP CONTROLLER

- NVG friendly Back Lighting
- Provides the operator with complete operational control of the searchlight and all of its capabilities
- Light weight
- One hand operation left or right handed
- 7-segment display to provide system status
- Optional Laser switch (simple hardware)
- Facia is dimmable (via rear switch)
- Day/Night selection for brightness of status indicator



TRAKKA CONTROL PANEL

- Provides all Hand grip controller operational capabilities to the pilot and co-pilot
- Searchlight directional control via interface to collective or cyclic 4 way or 8 way (analogue) switches
- NVG Compliant
- 3 way user selectable (Pilot/Co-Pilot or Crew)
- LED visual display for visual feedback (English)
- Lamp On and IF Filter indication (Simple Hardware)
- Dimmable via cockpit 0-5V, 0-28V or 28PWM analogue input
- Day/Night/NVG selectable
- Optional integrated joystick
- Optional Laser Switch (Simple Hardware)
- Arm switch to disable lamp for additional safety
- DZUS Mounted



FILTERS FOR INCREASED OPERATIONAL CAPABILITIES

- Infrared in 820, 880 and 920nm
- NVIS friendly white light when visible light is required during aircraft NVG mode
- Amber 480 to 500nm. Cuts through smoke, moisture and vegetation, less visual feedback, better colour definition & contrast. Good for close-in and long range operations
- Red glow 680nm, best for close-in work such as winching operations. Reduces loss of night vision. Less vertigo for ground crew, Has IR signature for working with, or without NVG's



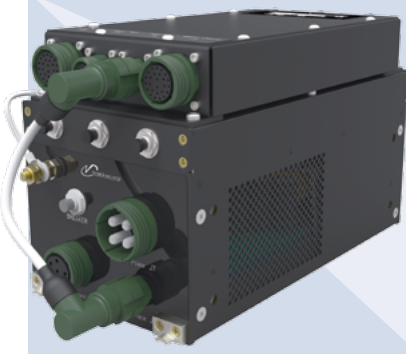
CONTROL INTERFACE UNIT (CIU)

- Interfaces with existing cyclic or collective 4 way witches hat controls
- Optional 8 way switch (analogue) joystick inputs
- Allows for custom cockpit inputs of all functions available (eg, stow, deploy, filter change, zoom, searchlight dim)
- Interface to Hand Grip Controller (this can be disabled via a discrete input)
- Six relay annunciators, three can be configured as simple hardware for annunciation of IR Mode, Lamp On and Laser On
- NVG Mode inputs which can prevent visible light from being selected.
- Visible Mode inputs which can prevent IR filter being selected.
- Compact design
- Arm input via simple hardware to disable lamp on
- Laser input via simple hardware
- Weight On Wheels Input provides simple hardware to disable lamp on and via software to allow programming of stow position



LASER

- Mounted to the searchlight
- Easily removable
- IR for long-range stand-off observation or target pointing
- Wavelength: 830nm
- Optical Power: 4.50-4.95mW
- Beam Divergence: 0.6mrad
- Class 3B
- Excellent beam collimation via long focal length glass lens
- Circularised Beam
- NOHD is 10s @ 30m



POWER CONTROL INTERFACE UNIT (PCIU)

- DO-160F 800 Watt compliant power to lamp
- Can reduce lamp power to 550W
- Auto detect Integrated Slave to many current camera systems via RS-232 or RS422 (option)
- Configurable for analogue slaving inputs.
- Output for current searchlight position (reverse slaving)
- Can be separated if required for installation purposes in reduced space or C of G requirements
- Optional ARINC style mounting
- Serial input to CIU, Pilot/Co-pilot Control and Grip Hand Controller
- Simple hardware annunciation for Laser On, Lamp On and IR Mode when used with the CIU or Pilot/Co-pilot Control



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