



FALCONER

CAMERA & VIDEO

- Recommended cameras: Enclosure with Camera Assembly (042845) or Horus (029410)
- Frame rate: Up to 60 fps
- Latency: ~40 ms (one frame at 25 fps)

CONTROLLABLE PARAMETERS

- Based on GDTF file definition
- Cyan, Magenta, Yellow, CTO
- Colour Wheel 1, Colour Wheel 2, Tint, Dimmer
- Iris, Zoom, Focus, Gobos, Frost

PRESETS

- User-definable presets containing any combination of parameters for easy recall of looks and/or positions.
- Presets can be assigned to preset buttons on the handles and touchscreen
- Presets can include fade-in and fade-out times, and can be set to Hold, Fade Out or Snap to Zero when deactivated

GROUPS

- User-definable groups containing a fixture or combination of fixtures to be controlled.
- Easy recall of different fixtures or fixture combinations

SOFTWARE FEATURES

- Autonomous output of full fixture controls via sACN
- Combined output with controls from lighting console via sACN
- PosiStageNet (PSN) input and output, for interoperability with third-party systems
- Unlimited universe count (sACN / PSN)
- Unlimited patch, with up to 36 active fixtures recommended for multi-fixture operation
- GDTF import for fixture data
- Base station can control parameters of fixtures autonomously or combine with controls from a lighting console.
- Falconer system must have either an Ayrtton fixture with an integrated camera or an Ayrtton Horus camera.

HARDWARE FEATURES

- Fluid head encoder with adjustable drag and detachable arms
- Left & right handle: 1 motorised fader, 8 RGB backlit preset buttons, 1 clickable encoder, 2 multifunctional buttons
- Monitor: 18.5" Full HD touchscreen, freely adjustable, sunshade included
- 2 x 10 mm (M10) mounting points
- USB-C connector for charging port (65 W, charge-only)
- USB-A port for software updates and saving show files
- 5-pin XLR connectors for left and right handles (data and 12 V DC, handles only)
- etherCON connector for NDI Video (Camera) (100/1000Mbit)
- etherCON connector for Network (sACN and PSN) (100/1000Mbit)
- powerCON TRUE1 power input and output
- HDMI and USB-A (touchscreen) outputs to the monitor
- 3-pin XLR 12 V output for monitor power

POWER SUPPLY

- Auto-ranging electronic switch mode with active PFC
- 100–240 V, 50/60 Hz
- Power: 100 W maximum
- Typical power consumption: 50 W

HOUSING

- Skeleton made of steel metal plates
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- IP20 protection rating
- Exterior finish: black (carbon)

INSTALLATION

- Can be mounted on the supplied tripod, or on any standard camera support fitted with a 100 mm half-ball receptacle

OPERATING PARAMETERS

- Maximum permitted ambient temperature (Ta max): 45°C (113°F)
- Minimum permitted ambient temperature (Ta min): 0°C (32°F)

COMPLIANCE

EU (EMC & LVD)

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

US (Safety & EMC)

- UL 1573
- FCC Part 15, Subpart B:2024

Substance regulations

- RoHS
- REACH
- CP65

SIZE

- Product: 740 x 1465 x 598 mm (l x h x d)
- Foam: 1150 x 365 x 555 mm (l x h x d)

WEIGHT

- Product: 21.8 kg

PRODUCT CODE

- 029420: FALCONER
- 042845: ENCLOSURE WITH CAMERA ASSEMBLY
- 029410: HORUS

LEGAL

- FALCONER and HORUS are registered trademarks of AYRTON
- FALCONER and HORUS are patent pending