Macula systems

Remote followspot system - Brand-agnostic

Macula Systems is a brand-agnostic remote follow spot solution designed for theatres, touring productions, broadcast environments, and large-scale events. The system offers a high-precision operator experience through its encoder-based High-Resolution Fluid Head, low-latency video pipeline, and comprehensive multi-fixture control.
Built on a robust Software platform with NDI support, PSN output and advanced network integration, Macula delivers exceptional flexibility by supporting virtually any modern moving head.
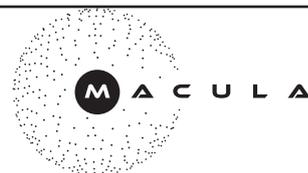
Macula is engineered to be a reliable workhorse for demanding environments, providing smooth operator handling, ultra-responsive camera control, high channel capacity, and a streamlined UI optimized for both new and experienced operators.

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FEATURE HIGHLIGHTS

- **Brand-agnostic fixture control (via LCI fixture profiles)**

- **High-Resolution Fluid Head with encoder-based movement**

- **2 motorized faders for dynamic parameter control**

- **Z-axis roller for multi-fixture operation**

- **Idisplay Deck with 15 programmable presets**

- **Support for up to 384 moving head fixtures**

- **32 sACN universes + 4 Art-Net universes**

- **Low-latency NDI® / NDI HX video pipeline**

- **VISCA over IP for camera control**

- **PSN output for real-time XYZ positional data**

- **Touring-grade hardware and industrial cabling**

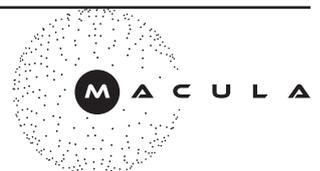- **Designed for both permanent installs and mobile productions**

TECHNICAL SPECIFICATIONS

- **Processor Platform: Industrial embedded system**

- **Memory: Optimised for real-time video decoding**

- **Network Ports: 2 × Gigabit Ethernet**

- **Lighting Protocols:**

- **sACN: 32 universes**

- **Art-Net: 4 universes**

- **Fixture capacity: 384 fixtures**

- **Camera Support:**

- **NDI® / NDI HX**

- **SDI/HDMI via NDI converter**

- **VISCA over IP (model dependent)**

- **Video Processing:**

- **Low-latency decoding**

- **Auto-latency compensation**

- **PSN Output: Real-time XYZ coordinates**

- **User Interface: Light Grey-themed operator interface**

- **Cooling: Temperature-regulated active cooling**

- **Power Input: 100–240 V AC, 50/60 Hz**

- **Mounting: Tripod or desk mount**

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- • CAMERA COMPATIBILITY
- • BirdDog PF120
- • AIDA - HD-NDI-X20
- • Everet EVZ220
- • MoveVision Camera (Macula Edition)
- • CONNECTIONS
- • 2 × RJ45 Gigabit Ethernet
- • 2 x USB 3.2
- • 1 x Hdmi - Touchscreen
- • 1 x 4pin 12v Power out - Toucscreen
- • 1 x 4pin 12v Power In - PSU
- • PHYSICAL
- • Total System Weight: 24 kg

  Height: .... 1560 mm
  Width: .... 480 mm
  Depth: .... 750 mm

- • ELECTRICAL
- • External PSU Input: 100–240 V AC.
- • External PSU Output: 12V DC.
- • Power Draw: ~70 W
- • Cooling: Active, temperature-regulated
- • ENVIRONMENTAL
- • Operating Temperature: 5–40 °C
- • Humidity: 10–90% (non-condensing)

  Flightcase Weight: 40 KG

  Height: .... 563 mm
  Width: .... 600 mm
  Length: .... 1200 mm

INCLUDED IN THE SYSTEM

Macula System with Flightcase - PN: MAC-MAIN-COM-002

- • 15,6" Tocuschreen:...................................PN: MAC-EL-MAIN-031
- • Screenpipe 1m:.....................................PN: MAC-ENC-MTL-005
- • Combicable Touchscreen:......................PN: MAC-CAB-MAIN-033
- • Tripod:..PN: MAC-ACC-TRI-001
- • Left Handle:...PN: MAC-ASS-2001
- • Right Handle:...PN: MAC-ASS-2002
- • 2 X 8PIN Handle Cables:........................ PN: MAC-CAB-OUT-MAIN-065
- • NDI® camera + Camera mount:............. PN: MAC-ASS-2004
- • RJ45 2M For camera:............................PN: MAC-CAB-CAM-030
- • Poe Injector:...PN: MAC-ACC-SUB-136
- • PSU:.. PN: MAC-SUB-1023
- • Flightcase:...PN: MAC-ACC-MAIN-139

Accessories:

- • NDI® camera:...PN: MAC-ACC-MAIN-140
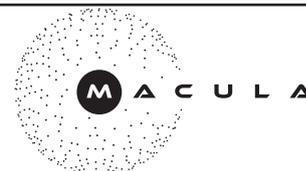
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APPROVALS:

Safety:
IEC 62368-1:2018
AS/NZS 62368.1:2022
CSA/UL 62368-1:2019
EN IEC 62368-1:2020+A11:2020
ANSI/UL 62368-1 Ed. 3

EMC:
CISPR 32:2015, CISPR 35:2016
IEC 61000-3-2:2018/A1:2020
IEC 61000-3-3:2013/A1:2017/A2:2021
EN 55032:2015/A1:2020
EN 55035:2017/A1:2020

North America:
FCC Part 15 Class A
ICES-003:2020 Class A

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