



## INTRODUCING -- iOptron CEM70/CEM40/GEM45-NUC

Need more versatility of an equatorial mount without cable tangling? Tired of connection error with some third party control interface? iOptron NUC-ready mounts are coming!

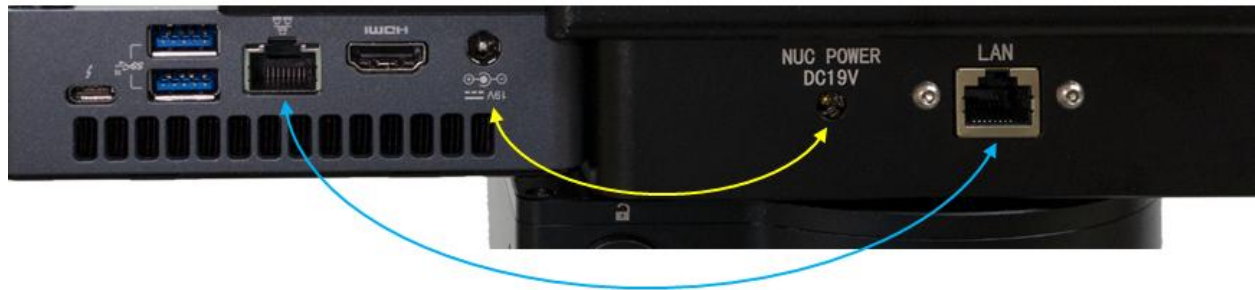
We are introducing CEM70/CEM40/GEM45-NUC series equatorial mounts that are ready to mate with Intel® NUC minicomputers, or other single board computers, at the front of dovetail saddle seamlessly with the cable management system. Those NUCs/Computers with thickness less than 38mm will be fit onto the mount without interference with the mount body.

All mounts come with iPolar and hard case. There is **no internal iGuider**, but external iGuider optional. Intel® NUC minicomputer is not included.

The available mounts are:

- |           |  |
|-----------|--|
| #C70AN    | CEM70-NUC mount head with hard case and counterweight                |
| #C704AN0  | CEM70EC-NUC mount head with hard case and counterweight              |
| #C402AN3  | CEM40-NUC mount head with counterweight, hard case, LiteRoc tripod   |
| #C404AN3  | CEM40EC-NUC mount head with counterweight, hard case, LiteRoc tripod |
| #7603AN   | GEM45-NUC mount head with counterweight, hard case, LiteRoc tripod   |
| #7603ECAN | GEM45EC-NUC mount head with counterweight, hard case, LiteRoc tripod |

## 1. Cable/Port Connections on Dovetail Saddle



**NUC POWER DC19V:** NUC power output (passthrough), to power the NUC minicomputer through the mount cable management system (Yellow line). The output voltage is decided by the input voltage.

**LAN:** Ethernet ports (blue line)



CEM40/GEM45



CEM70

**DC OUTx3:** DC outlets, total current 5A, 2.1/5.5 mm plug, powered by cable management input

**GUIDE:** Guiding port, support ST-4 guiding device/camera

**iPort:** iOptron port for accessories. (CEM40/GEM45 is located on main board)



**DC12V OUT:** Power outlets from the mount power, up to 3A

**USB2.0:** USB2.0 Hub for other USB devices

**USB IN:** USB port to connect the USB port on NUC (red line)

## 2. Input Panel



CEM40/GEM45



CEM70

**NUC DC19V:** NUC Power input. Connect the AC adapter come with NUC, 19V. If other NUC/Computer is used, the input voltage may different.

*Warning! Never plug the NUC AC adapter to any other power socket, or electronic damage may occur with the high voltage !*

**DC12V INPUT 5525:** Optional 12V power input, 2.5mm/5.5mm, for the 3X power outlets on the dovetail saddle. Total current 5A

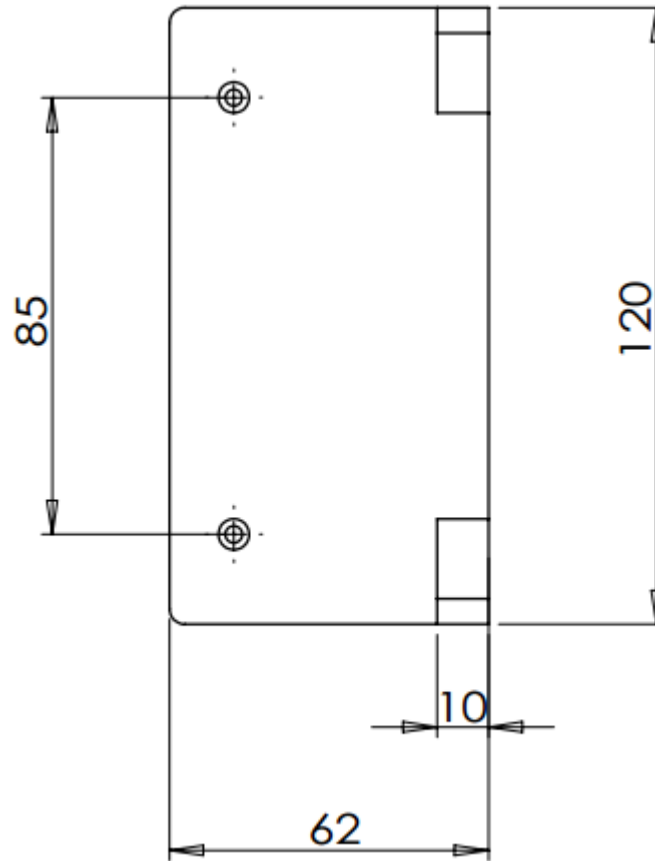
**LAN:** Ethernet input port

**DC12V POWER:** Mount power input, 2.5mm/5.5mm. Power the mount as well as the 2X power outlet on the dovetail saddle next to the USB hub.

**O / I (CEM40/GEM45), or ON/OFF (CEM70):** Power switch of the mount.

### 3. NUC Mounting Board and Recommended NUCs

NUC mounting screws: M3X10mm



#### Recommended and tested NUC Models are:

Intel NUC10 Performance kit (Frost Canyon) with “slim” K chases, dimension 117X112X38mm

Intel NUC11 Pro mini PC (Tiger Canyon) with “slim” K chases, dimension 117X112X38mm

The later version may have different mounting holes which may need DIY. Please double check your NUC’s specifications.