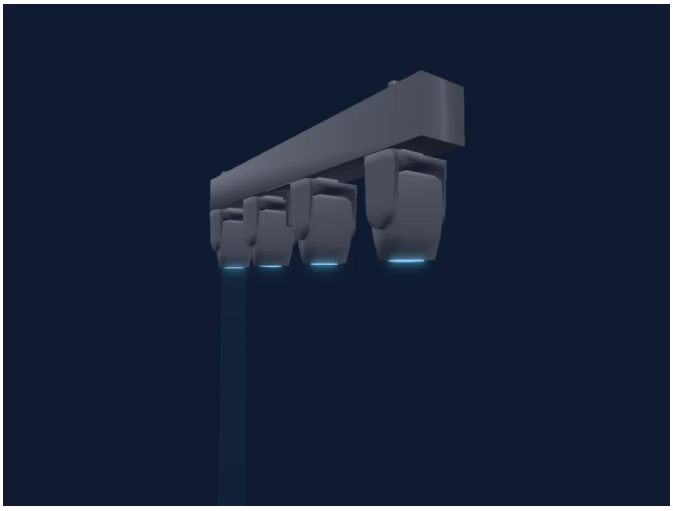
Cameo

# Hydrabeam 4000 RGBW



| | |
|---|---|
| Manufacturer | **Cameo** |
| Type | **Moving head** |
| DMX modes | **5** |
| DMX footprint | **6, 10, 14, 15, 28 channels** |
| Beam angle | **2°** |
| Pan range | **540°** |
| Tilt range | **230°** |
| Size (W × H × D) | **808 × 177 × 88 mm** |
| GDTF fixture type | **4AF007A5-38C3-4EAE-9063-74…** |

## Controls

Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed

## Safety-relevant functions

Fixture reset · Strobe

## DMX modes

| | |
|---|---|
| 6 Chan | 6 ch |
| 10 Chan_not ready | 10 ch |
| 56 Chan | 14 ch |
| 19 Chan_not ready | 15 ch |
| 32 Chan_not ready | 28 ch |

## 6 Chan

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |
| 2 | Shutter / Strobe | 0 | 0–10 Shutter Open<br>11–125 Strobe Slow<br>126–252 Strobe Mid<br>253–255 Strobe Fast |
| 3 | Position Effect | 0 | 0–7 No Movement<br>8–22 Show Mode 1<br>23–37 Show Mode 2<br>38–52 Show Mode 3<br>53–67 Show Mode 4<br>68–82 Show Mode 5<br>83–97 Show Mode 6<br>98–112 Show Mode 7<br>113–127 Show Mode 8<br>128–142 Show Mode 9<br>143–157 Show Mode 10<br>158–172 Show Mode 11<br>173–187 Show Mode 12<br>188–202 Show Mode 13<br>203–217 Show Mode 14<br>218–232 Show Mode 15<br>233–247 Show Mode 16<br>248–255 Sound Control Mode |
| 4 | Position MSpeed | 0 | 0–126 Show Mode Speed Slow<br>127–252 Show Mode Speed Mid<br>253–255 Show Mode Speed Fast |
| 5 | Color Wheel | 255 | 0–30 Automatic Color Change (wheel slot 1)<br>31–45 Red (wheel slot 2)<br>46–60 Green (wheel slot 3)<br>61–75 Blue (wheel slot 4)<br>76–90 White (wheel slot 5)<br>91–105 Yellow (wheel slot 6)<br>106–120 Magenta (wheel slot 7)<br>121–135 Light Red (wheel slot 8)<br>136–150 Cyan (wheel slot 9)<br>151–165 Light Green (wheel slot 10)<br>166–180 Light Blue (wheel slot 11)<br>181–195 RGB (wheel slot 12)<br>196–210 RGW (wheel slot 13)<br>211–225 RBW (wheel slot 14)<br>226–240 GBW (wheel slot 15)<br>241–255 RGBW (wheel slot 16) |
| 6 | Color Macro1Rate | 0 | 0–126 Color Change Slow<br>127–252 Color Change Medium<br>253–255 Color Change Fast |

## 10 Chan_not ready

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 127 | 0–20 -270<br>21–41 -225<br>42–63 -180<br>64–84 -135<br>85–105 -90<br>106–126 -45<br>127–148 0 (Center)<br>149–169 45<br>170–190 90<br>191–212 135<br>213–233 180<br>234–254 225<br>255–255 270 |
| 2 | Tilt | 127 | 0–26 -135<br>27–76 -90<br>77–127 -45<br>128–177 0 (Center)<br>178–227 45<br>228–254 90<br>255–255 135 |
| 3 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |
| 4 | Shutter / Strobe | 0 | 0–10 Shutter Open<br>11–125 Strobe Slow<br>126–252 Strobe Mid<br>253–255 Strobe Fast |
| 5 | Position Effect | 0 | 0–7 No Movement<br>8–22 Show Mode 1<br>23–37 Show Mode 2<br>38–52 Show Mode 3<br>53–67 Show Mode 4<br>68–82 Show Mode 5<br>83–97 Show Mode 6<br>98–112 Show Mode 7<br>113–127 Show Mode 8<br>128–142 Show Mode 9<br>143–157 Show Mode 10<br>158–172 Show Mode 11<br>173–187 Show Mode 12<br>188–202 Show Mode 13<br>203–217 Show Mode 14<br>218–232 Show Mode 15<br>233–247 Show Mode 16<br>248–255 Sound Control Mode |
| 6 | Position MSpeed | 0 | 0–126 Show Mode Speed Slow<br>127–252 Show Mode Speed Mid<br>253–255 Show Mode Speed Fast |

### 10 Chan_not ready (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Pixel Mode | 0 | 0–31 Black Out<br>32–63 Lighting Pattern 1<br>64–95 Lighting Pattern 2<br>96–127 Lighting Pattern 3<br>128–159 Lighting Pattern 4<br>160–191 Lighting Pattern 5<br>192–223 Lighting Pattern 6<br>224–255 Full On |
| 8 | Intensity MSpeed | 0 | 0–126 Lighting Pattern Speed Slow<br>127–252 Lighting Pattern Speed Mid<br>253–255 Lighting Pattern Speed Fast |
| 9 | Pan Fine | 255 | Fine byte of Pan |
| 10 | Tilt Fine | 255 | Fine byte of Tilt |

## 56 Chan

14 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 127 | 0–20 270<br>21–41 225<br>42–63 180<br>64–84 135<br>85–105 90<br>106–127 45<br>128–148 0 (Center)<br>149–169 -45<br>170–190 -90<br>191–212 -135<br>213–233 -180<br>234–254 -225<br>255–255 -270 |
| 2 | Pan Fine | 255 | Fine byte of Pan |
| 3 | Tilt | 127 | 0–26 -115<br>27–76 -90<br>77–127 -45<br>128–177 0 (center)<br>178–227 45<br>228–254 90<br>255–255 115 |
| 4 | Tilt Fine | 255 | Fine byte of Tilt |
| 5 | Position MSpeed | 0 | 0–126 Head Speed Slow<br>127–252 Head Speed Mid<br>253–255 Head Speed Fast |
| 6 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |

### 56 Chan (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Shutter / Strobe | 0 | 0–10 Shutter Open<br>11–125 Strobe Slow<br>126–252 Strobe Mid<br>253–255 Strobe Fast |
| **8** | Color Wheel | 0 | 0–30 RGBW Mixing<br>31–45 Red (wheel slot 2)<br>46–60 Green (wheel slot 3)<br>61–75 Blue (wheel slot 4)<br>76–90 White (wheel slot 5)<br>91–105 Yellow (wheel slot 6)<br>106–120 Magenta (wheel slot 7)<br>121–135 Light Red (wheel slot 8)<br>136–150 Cyan (wheel slot 9)<br>151–165 Light Green (wheel slot 10)<br>166–180 Light Blue (wheel slot 11)<br>181–195 RGB (wheel slot 12)<br>196–210 RGW (wheel slot 13)<br>211–225 RBW (wheel slot 14)<br>226–240 GBW (wheel slot 15)<br>241–255 RGBW (wheel slot 16) |
| **9** | Control1 | 0 | 0–7 no Function (1)<br>8–30 Show Mode 1<br>31–53 Show Mode 2<br>54–76 Show Mode 3<br>77–99 Show Mode 4<br>100–122 Sound Control Mode<br>123–199 no Function (2)<br>200–224 Reset<br>225–255 no Function (3) |
| **10** | Function | 0 | 0–126 Sound Sensitivity Low<br>127–252 Sound Sensitivity Mid<br>253–255 Sound Sensitivity High |
| **11** | Red | 255 | 0–62 0% Red<br>63–126 25% Red<br>127–190 50% Red<br>191–254 75% Red<br>255–255 100% Red |
| **12** | Green | 255 | 0–62 0% Green<br>63–126 25% Green<br>127–190 50% Green<br>191–254 75% Green<br>255–255 100% Green |
| **13** | Blue | 255 | 0–62 0% Blue<br>63–126 25% Blue<br>127–190 50% Blue<br>191–254 75% Blue<br>255–255 100% Blue |
| **14** | White | 0 | 0–62 0% White<br>63–126 25% White<br>127–190 50% White<br>191–254 75% White<br>255–255 100% White |

## 19 Chan_not ready

15 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|

### 19 Chan_not ready (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |
| 2 | Shutter / Strobe | 0 | 0–10 Shutter Open<br>11–125 Strobe Slow<br>126–252 Strobe Mid<br>253–255 Strobe Fast |
| 3 | Dimmer | 255 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |
| 4 | Reserved 4 | 0 | |
| 5 | Reserved 5 | 0 | |
| 6 | Reserved 6 | 0 | |
| 7 | Reserved 7 | 0 | |
| 8 | Reserved 8 | 0 | |
| 9 | Reserved 9 | 0 | |
| 10 | Reserved 10 | 0 | |
| 11 | Reserved 11 | 0 | |
| 12 | Reserved 12 | 0 | |
| 13 | Reserved 13 | 0 | |
| 14 | Reserved 14 | 0 | |
| 15 | Position MSpeed | 0 | 0–126 Head Speed Slow<br>127–252 Head Speed Mid<br>253–255 Head Speed Fast |

## 32 Chan_not ready

28 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|

## 32 Chan_not ready (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |
| 2 | Shutter / Strobe | 0 | 0–10 Shutter Open<br>11–125 Strobe Slow<br>126–252 Strobe Mid<br>253–255 Strobe Fast |
| 3 | Tilt | 127 | 0–26 -115<br>27–76 -90<br>77–127 -45<br>128–177 0 (center)<br>178–227 45<br>228–254 90<br>255–255 135 |
| 4 | Tilt Fine | 255 | Fine byte of Tilt |
| 5 | Position MSpeed | 0 | 0–10 Head Master Speed<br>11–126 Head Speed Slow<br>127–252 Head Speed Mid<br>253–255 Head Speed Fast |
| 6 | Dimmer | 255 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |
| 7 | Reserved 7 | 0 | |
| 8 | Reserved 8 | 0 | |
| 9 | Reserved 9 | 0 | |
| 10 | Reserved 10 | 0 | |
| 11 | Reserved 11 | 0 | |
| 12 | Reserved 12 | 0 | |
| 13 | Reserved 13 | 0 | |
| 14 | Reserved 14 | 0 | |
| 15 | Reserved 15 | 0 | |
| 16 | Reserved 16 | 0 | |
| 17 | Reserved 17 | 0 | |
| 18 | Reserved 18 | 0 | |
| 19 | Reserved 19 | 0 | |

## 32 Chan_not ready (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Reserved 20 | 0 | |
| **21** | Reserved 21 | 0 | |
| **22** | Reserved 22 | 0 | |
| **23** | Reserved 23 | 0 | |
| **24** | Reserved 24 | 0 | |
| **25** | Reserved 25 | 0 | |
| **26** | Reserved 26 | 0 | |
| **27** | Control1 | 0 | 0–199 no Function (1)<br>200–209 Reset<br>210–240 no Function (2)<br>241–255 Sound Control Mode |
| **28** | Function | 0 | 0–126 Sound Sensitivity Low<br>127–252 Sound Sensitivity Mid<br>253–255 Sound Sensitivity High |