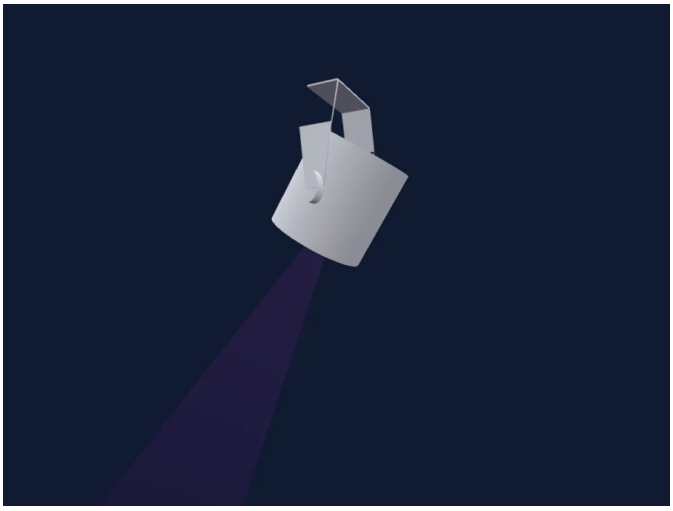
Cameo

ROOT PAR IP



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**12**
DMX footprint	**2, 3, 4, 5, 6, 7, 9, 10 channels**
Beam angle	**21°**
Pan range	**540°**
Tilt range	**360°**
Size (W × H × D)	**180 × 185 × 185 mm**
GDTF fixture type	**9870577F-2500-4908-99B9-B60…**

Controls

Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer

DMX modes

2CH Mode	2 ch
D3CH Mode	3 ch
4CH-1 Mode	4 ch
4CH-2 Mode	4 ch
5CH Mode	5 ch
D5CH-1 Mode	5 ch
D5CH-2 Mode	5 ch
6CH Mode	6 ch
D6CH Mode	6 ch
D7CH Mode	7 ch
9CH Mode	9 ch
D10CH Mode	10 ch

2CH Mode

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Color Wheel	110	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function

D3CH Mode

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Color Wheel	110	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
3	Control1	0	0–5 Off 6–255 0;1s to 2;0s

4CH-1 Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open (react to dimmer CH1) 6–10 Close 11–21 Ramp up/down strobe · Slow 0.5–4.59 Hz 22–22 Ramp up/down strobe · Fast2 5 Hz 23–32 Ramp up/down Random · Slow 0.5–4.55 Hz 33–33 Ramp up/down Random · Fast 5 Hz 34–44 Ramp up strobe · Slow 0.5–4.59 Hz 45–45 Ramp up strobe · Fast 5 Hz 46–55 Ramp up random · Slow 0.5–4.55 Hz 56–56 Ramp up random · Fast 5 Hz 57–67 Ramp down strobe · Slow 0.5–4.59 Hz 68–68 Ramp down strobe · Fast 5 Hz 69–78 Ramp down Random · Slow 0.5–4.55 Hz 79–79 Ramp down Random · Fast 5 Hz 80–101 Random Strobe Effect · Slow 0.5–4.8 Hz 102–102 Random Strobe Effect · Fast 5 Hz 103–126 Strobe Break Effekt · 5s Short burst with break 1.5... 127–127 Strobe Break Effekt · 1s Short burst with break 5 Hz 128–128 Strobe Linear · Slow 1Hz 1 Hz 129–249 Strobe Linear · 1-20 Hz 1.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 255–255 Open
3	Color Wheel	110	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
4	Color1Wheel Audio	0	

4CH-2 Mode

4 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	255	

5CH Mode

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open 6–6 Strobe Linear · Slow 1Hz 1 Hz 7–254 Strobe Linear · 1-20 Hz 1.06–14.9 Hz 255–255 Strobe Linear · Fast 20Hz 15 Hz
3	Color Macro1Rate	0	0–5 No function 6–26 Jump 10s to 4s 27–127 Jump 4s to 0;1s 128–148 Fade 10s to 4s 149–255 Fade 4s to 0;1s
4	Color Wheel	0	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
5	Color Wheel	0	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function

D5CH-1 Mode

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open (react to dimmer CH1) 6–10 Close 11–21 Ramp up/down strobe · Slow 0.5–4.59 Hz 22–22 Ramp up/down strobe · Fast2 5 Hz 23–32 Ramp up/down Random · Slow 0.5–4.55 Hz 33–33 Ramp up/down Random · Fast 5 Hz 34–44 Ramp up strobe · Slow 0.5–4.59 Hz 45–45 Ramp up strobe · Fast 5 Hz 46–55 Ramp up random · Slow 0.5–4.55 Hz 56–56 Ramp up random · Fast 5 Hz 57–67 Ramp down strobe · Slow 0.5–4.59 Hz 68–68 Ramp down strobe · Fast 5 Hz 69–78 Ramp down Random · Slow 0.5–4.55 Hz 79–79 Ramp down Random · Fast 5 Hz 80–101 Random Strobe Effect · Slow 0.5–4.8 Hz 102–102 Random Strobe Effect · Fast 5 Hz 103–126 Strobe Break Effekt · 5s Short burst with break 1.5... 127–127 Strobe Break Effekt · 1s Short burst with break 5 Hz 128–128 Strobe Linear · Slow 1Hz 1 Hz 129–249 Strobe Linear · 1-20 Hz 1.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 255–255 Open
3	Color Wheel	110	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
4	Color1Wheel Audio	0	
5	Control1	0	0–5 Off 6–255 0;1s to 2;0s

D5CH-2 Mode

5 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	255	

D5CH-2 Mode (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–5 Off 6–255 0;1s to 2;0s

6CH Mode

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open 6–6 Strobe Linear · Slow 1Hz 1 Hz 7–254 Strobe Linear · 1-20 Hz 1.06–14.9 Hz 255–255 Strobe Linear · Fast 20Hz 15 Hz
3	Red	0	
4	Green	0	
5	Blue	0	
6	White	255	

D6CH Mode

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open 6–6 Strobe Linear · Slow 1Hz 1 Hz 7–254 Strobe Linear · 1-20 Hz 1.06–14.9 Hz 255–255 Strobe Linear · Fast 20Hz 15 Hz
3	Color Macro1Rate	0	0–5 No function 6–26 Jump 10s to 4s 27–127 Jump 4s to 0;1s 128–148 Fade 10s to 4s 149–255 Fade 4s to 0;1s
4	Color Wheel	0	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function

D6CH Mode (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
6	Control1	0	0–5 Off 6–255 0;1s to 2;0s

D7CH Mode

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open 6–6 Strobe Linear · Slow 1Hz 1 Hz 7–254 Strobe Linear · 1-20 Hz 1.06–14.9 Hz 255–255 Strobe Linear · Fast 20Hz 15 Hz
3	Red	0	
4	Green	0	
5	Blue	0	
6	White	255	
7	Control1	0	0–5 Off 6–255 0;1s to 2;0s

9CH Mode

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

9CH Mode (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open (react to dimmer CH1) 6–10 Close 11–21 Ramp up/down strobe · Slow 0.5–4.59 Hz 22–22 Ramp up/down strobe · Fast2 5 Hz 23–32 Ramp up/down Random · Slow 0.5–4.55 Hz 33–33 Ramp up/down Random · Fast 5 Hz 34–44 Ramp up strobe · Slow 0.5–4.59 Hz 45–45 Ramp up strobe · Fast 5 Hz 46–55 Ramp up random · Slow 0.5–4.55 Hz 56–56 Ramp up random · Fast 5 Hz 57–67 Ramp down strobe · Slow 0.5–4.59 Hz 68–68 Ramp down strobe · Fast 5 Hz 69–78 Ramp down Random · Slow 0.5–4.55 Hz 79–79 Ramp down Random · Fast 5 Hz 80–101 Random Strobe Effect · Slow 0.5–4.8 Hz 102–102 Random Strobe Effect · Fast 5 Hz 103–126 Strobe Break Effekt · 5s Short burst with break 1.5... 127–127 Strobe Break Effekt · 1s Short burst with break 5 Hz 128–128 Strobe Linear · Slow 1Hz 1 Hz 129–249 Strobe Linear · 1-20 Hz 1.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 255–255 Open
4	Red	0	
5	Green	0	
6	Blue	0	
7	White	255	
8	Color Wheel	0	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
9	Color1Wheel Audio	0	

D10CH Mode

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

D10CH Mode (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open (react to dimmer CH1) 6–10 Close 11–21 Ramp up/down strobe · Slow 0.5–4.59 Hz 22–22 Ramp up/down strobe · Fast2 5 Hz 23–32 Ramp up/down Random · Slow 0.5–4.55 Hz 33–33 Ramp up/down Random · Fast 5 Hz 34–44 Ramp up strobe · Slow 0.5–4.59 Hz 45–45 Ramp up strobe · Fast 5 Hz 46–55 Ramp up random · Slow 0.5–4.55 Hz 56–56 Ramp up random · Fast 5 Hz 57–67 Ramp down strobe · Slow 0.5–4.59 Hz 68–68 Ramp down strobe · Fast 5 Hz 69–78 Ramp down Random · Slow 0.5–4.55 Hz 79–79 Ramp down Random · Fast 5 Hz 80–101 Random Strobe Effect · Slow 0.5–4.8 Hz 102–102 Random Strobe Effect · Fast 5 Hz 103–126 Strobe Break Effekt · 5s Short burst with break 1.5... 127–127 Strobe Break Effekt · 1s Short burst with break 5 Hz 128–128 Strobe Linear · Slow 1Hz 1 Hz 129–249 Strobe Linear · 1-20 Hz 1.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 255–255 Open
4	Red	0	
5	Green	0	
6	Blue	0	
7	White	255	
8	Color Wheel	0	0–5 Color off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Color Jumping Stop 128–164 Color Jumping Speed slow -> fast 165–201 Color Fading Speed slow -> fast 202–207 User Color_1 208–213 User Color_2 214–219 User Color_3 220–225 User Color_4 226–255 No Function
9	Color1Wheel Audio	0	
10	Control1	0	0–5 Off 6–255 0;1s to 2;0s