Cameo

H1 FC



Manufacturer	**Cameo**
Type	**PAR**
DMX modes	**9**
DMX footprint	**1, 2, 3, 5, 12, 19, 22 channels**
Beam angle	**25°**
Size (W × H × D)	**128 × 255 × 128 mm**
GDTF fixture type	**A4A11957-9FDF-43D2-B6A4-B1…**

Controls

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

DMX modes

1 CH DIM (User Color 1)	1 ch
2CH CCT	2 ch
2CH DIM 16 Bit (User Color 1)	2 ch
3Ch Color	3 ch
5 CH HSI-CCT Mode (16Bit)	5 ch
5 CH RGBAL	5 ch
12 CH Direct CCT CP	12 ch
19 CH Direct CCT CP 16 Bit Device	19 ch
22 CH Direct HSI CCT CP 16 Bit Device	22 ch

1 CH DIM (User Color 1)

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

2CH CCT

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	C TC	15	0–5 Full on 6–8 Bulb White (2700K) 9–11 Halogen White (3200K) 12–14 Neutral White (4000K) 15–17 Studio-White (5600K) 18–20 Daylight White (6500K) 21–254 6500K 255–255 1800K

2CH DIM 16 Bit (User Color 1)

2 channels

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

3Ch Color

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up down strobe · slow 0.5–4.59 Hz 22–22 Ramp up down strobe · fast 5 Hz 23–32 Pulse up down Random · Slow 0.5–4.55 Hz 33–33 Pulse 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 1.16–19.8 Hz 250–250 Strobe Linear · Fast 20Hz 20 Hz 255–255 Open

3Ch Color (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–5 Open (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 (wheel slot 17) 208–213 User Color_2 (wheel slot 18) 214–219 User Color_3 (wheel slot 19) 220–225 User Color_4 (wheel slot 20) 226–255 Open (wheel slot 21)

5 CH HSI-CCT Mode (16Bit)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	H SBHue	1	0–0 all on 1–22 red 23–83 yellow 84–134 Green 135–164 Cyan 165–189 Blue 190–254 Magenta 255–255 red
3	H SBSaturation	255	0–254 CCT 255–255 Hue
4	C TC	15	0–5 No function 6–8 Bulb White (2700K) 9–11 Halogen White (3200K) 12–14 Neutral White (4000K) 15–17 Studio-White (5600K) 18–20 Daylight White (6500K) 21–254 6500K 255–255 1800K
5	Color Mix MSpeed	0	0–5 0s 6–105 color crossfade time 01s -> 10s (01s Steps) 106–214 color crossfade time 11s -> 119s (1s Steps) 215–244 color crossfade time 2m -> 4m50s (10s Steps) 245–255 color crossfade time 5m -> 15m (1m Steps)

5 CH RGBAL

5 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	

5 CH RGBAL (continued)

Ch	Function	Default	DMX values
3	Blue	255	
4	Color Add WW	255	
5	Color Add GY	255	

12 CH Direct CCT CP

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up down strobe · slow 0.5–4.59 Hz 22–22 Ramp up down strobe · fast 5 Hz 23–32 Pulse up down Random · Slow 0.5–4.55 Hz 33–33 Pulse 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 1.16–19.8 Hz 250–250 Strobe Linear · Fast 20Hz 20 Hz 255–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	Color Add WW	255	
7	Color Add GY	255	
8	C TC	15	0–5 No function 6–8 Bulb White (2700K) 9–11 Halogen White (3200K) 12–14 Neutral White (4000K) 15–17 Studio-White (5600K) 18–20 Daylight White (6500K) 21–254 6500K 255–255 1800K
9	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

12 CH Direct CCT CP (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–5 Open (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 (wheel slot 17) 208–213 User Color_2 (wheel slot 18) 214–219 User Color_3 (wheel slot 19) 220–225 User Color_4 (wheel slot 20) 226–255 Open (wheel slot 21)
11	Color Mix MSpeed	0	0–5 0s 6–105 color crossfade time 01s -> 10s (01s Steps) 106–214 color crossfade time 11s -> 119s (1s Steps) 215–244 color crossfade time 2m -> 4m50s (10s Steps) 245–255 color crossfade time 5m -> 15m (1m Steps)
12	Custom Color	0	0–5 No function 6–11 Rec User Color 1 (hold 3s) 12–17 Rec User Color 2 (hold 3s) 18–23 Rec User Color 3 (hold 3s) 24–255 Rec User Color 4 (hold 3s)

19 CH Direct CCT CP 16 Bit Device

19 channels

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

19 CH Direct CCT CP 16 Bit Device (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up down strobe · slow 0.5–4.59 Hz 22–22 Ramp up down strobe · fast 5 Hz 23–32 Pulse up down Random · Slow 0.5–4.55 Hz 33–33 Pulse 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 1.16–19.8 Hz 250–250 Strobe Linear · Fast 20Hz 20 Hz 255–255 Open
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	Color Add WW	255	
11	Color Add WW Fine	255	Fine byte of Color Add WW
12	Color Add GY	255	
13	Color Add GY Fine	255	Fine byte of Color Add GY
14	C TC	15	0–5 No function 6–8 Bulb White (2700K) 9–11 Halogen White (3200K) 12–14 Neutral White (4000K) 15–17 Studio-White (5600K) 18–20 Daylight White (6500K) 21–254 6500K 255–255 1800K
15	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

19 CH Direct CCT CP 16 Bit Device (continued)

Ch	Function	Default	DMX values
16	Color Wheel	0	0–5 Open (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 (wheel slot 17) 208–213 User Color_2 (wheel slot 18) 214–219 User Color_3 (wheel slot 19) 220–225 User Color_4 (wheel slot 20) 226–255 Open (wheel slot 21)
17	Color Mix MSpeed	0	0–5 0s 6–105 color crossfade time 01s -> 10s (01s Steps) 106–214 color crossfade time 11s -> 119s (1s Steps) 215–244 color crossfade time 2m -> 4m50s (10s Steps) 245–255 color crossfade time 5m -> 15m (1m Steps)
18	Custom Color	0	0–5 No function 6–11 Rec User Color 1 (hold 3s) 12–17 Rec User Color 2 (hold 3s) 18–23 Rec User Color 3 (hold 3s) 24–255 Rec User Color 4 (hold 3s)
19	Function	0	0–73 No function 74–75 Dimmer Response LED (hold 1;5s) 76–81 Dimmer Response Halogen (hold 1;5s) 82–119 No function 120–121 LED Frequency 800Hz (hold 3s) 122–123 LED Frequency 1200Hz (hold 3s) 124–125 LED Frequency 2000Hz (hold 3s) 126–127 LED Frequency 3600Hz (hold 3s) 128–129 LED Frequency 12kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW-Mode (Hold 3s) 134–135 Factory Calibrated-Mode (Hold 3s) 136–137 User Calibrated-Mode (Hold 3s) 138–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–235 No function 236–237 Default set (except DMX-Address and Mode) (Hold ... 238–239 Default set (except DMX-Address and Mode User c... 240–255 No function

22 CH Direct HSI CCT CP 16 Bit Device

22 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up down strobe · slow 0.5–4.59 Hz 22–22 Ramp up down strobe · fast 5 Hz 23–32 Pulse up down Random · Slow 0.5–4.55 Hz 33–33 Pulse 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 1.16–19.8 Hz 250–250 Strobe Linear · Fast 20Hz 20 Hz 255–255 Open
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	Color Add WW	255	
11	Color Add WW Fine	255	Fine byte of Color Add WW
12	Color Add GY	255	
13	Color Add GY Fine	255	Fine byte of Color Add GY
14	H SBHue	0	0–22 all on 23–83 yellow 84–134 Green 135–164 Cyan 165–189 Blue 190–254 Magenta 255–255 red
15	H SBHue Fine	0	Fine byte of H SBHue
16	H SBSaturation	255	0–254 CCT 255–255 Hue
17	C TC	15	0–5 No function 6–8 Bulb White (2700K) 9–11 Halogen White (3200K) 12–14 Neutral White (4000K) 15–17 Studio-White (5600K) 18–20 Daylight White (6500K) 21–254 6500K 255–255 1800K
18	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

22 CH Direct HSI CCT CP 16 Bit Device (continued)

Ch	Function	Default	DMX values
19	Color Wheel	0	0–5 Open (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 (wheel slot 17) 208–213 User Color_2 (wheel slot 18) 214–219 User Color_3 (wheel slot 19) 220–225 User Color_4 (wheel slot 20) 226–255 Open (wheel slot 21)
20	Color Mix MSpeed	0	0–5 0s 6–105 color crossfade time 01s -> 10s (01s Steps) 106–214 color crossfade time 11s -> 119s (1s Steps) 215–244 color crossfade time 2m -> 4m50s (10s Steps) 245–255 color crossfade time 5m -> 15m (1m Steps)
21	Custom Color	0	0–5 No function 6–11 Rec User Color 1 (hold 3s) 12–17 Rec User Color 2 (hold 3s) 18–23 Rec User Color 3 (hold 3s) 24–255 Rec User Color 4 (hold 3s)
22	Function	0	0–73 No function 74–75 Dimmer Response LED (hold 1;5s) 76–81 Dimmer Response Halogen (hold 1;5s) 82–119 No function 120–121 LED Frequency 800Hz (hold 3s) 122–123 LED Frequency 1200Hz (hold 3s) 124–125 LED Frequency 2000Hz (hold 3s) 126–127 LED Frequency 3600Hz (hold 3s) 128–129 LED Frequency 12kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW-Mode (Hold 3s) 134–135 Factory Calibrated-Mode (Hold 3s) 136–137 User Calibrated-Mode (Hold 3s) 138–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–235 No function 236–237 Default set (except DMX-Address and Mode) (Hold ... 238–239 Default set (except DMX-Address and Mode User c... 240–255 No function