

ADVANCED 3D CHROMA KEYSER **ACK-3000**

Shadows of composited subjects are generated in real time to match the background, applying 3D graphics technology



Generates shadows to match subject movement, applying an algorithm developed by FOR-A.



Realistic chroma key compositing with two types of 3D shadows: under feet + whole body

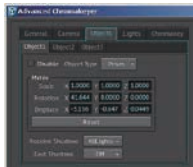
- Color correction to match composited images to the background
- Adjusts up to three light sources (position, direction, diffusion), shadows of up to three objects (position, direction, size), and masks
- Adds defocus effect to subject
- Create more natural-looking scenes by adjusting background light source settings. Apply lighting to people or other objects and adjust shadows and colors for seamless compositing. Volume light supported.
- Split mode enables separate, simultaneous processing and compositing of two people in the foreground by splitting the scene into left and right sides.

Full-featured settings for more realistic images



Camera settings

Full-featured settings to enhance realism



Object settings

Size and position of subjects over background images



Light settings

Position and angle of light sources (up to 3), shadow intensity and color



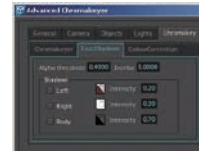
Chromakey settings

Foreground chroma Key adjustment



Color Correction settings

Foreground image brightness and tint



Feet Shadows settings

Size and intensity of shadows under feet



Parameter Presets

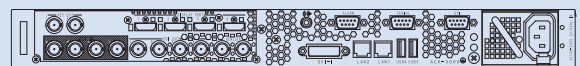
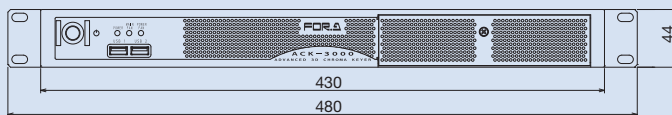
Image processing parameters configured on each tab can be saved as presets and recalled with a single click.

Specifications

Video formats	HD-SDI: 1080/59.94i, 1080/50i, 720/59.94p*, 720/50p*
Video inputs	HD-SDI: 1.5 Gbps, 75Ω, BNC x 4 (1 for camera input, 1 for background image input)
Genlock inputs	BB: NTSC: 0.429 Vp-p/PAL: 0.45 Vp-p or Tri-level Sync: 0.6 Vp-p, 75Ω, BNC x 2 (with pass-through)
Video outputs	HD-SDI: 1.5 Gbps, 75Ω, BNC x 4 (free assignable)
Output image	Composite image of background input image + chroma key image with shadows, or fill/key chroma key image with shadows
Control screen output	Display Port (1 used) x 4
Interface	LAN: 100BASE-TX/1000BASE-T, RJ-45 x 2 USB: 3.0 series A x 2 (front), 3.0 series A x 2 (back) ALARM: D-Sub 9-pin (female) x 1, power or fan alarm (crosspoint output)
Temperature/humidity	0°C to 40°C/20% to 80% (no condensation)
Power	100 V to 240 V AC ±10%, 50/60 Hz
Consumption	190 VA (188 W) (100 V to 120 V AC), 198 VA (184 W) (220 V to 240 V AC)
Dimensions	430 (W) x 44 (H) x 500 (D) mm, EIA 1RU
Weight	9 kg
Consumables (if used 24 hours a day at room temperature)	Cooling fan: Replace every 3 years. Power unit: Replace every 5 years. Battery: Replace every 5 years.
Accessories	Operation manual (CD-ROM), AC Cord retaining clip, Rack mount brackets, and Display Port-DVI conversion cable x 1

* Planned for future support

Dimensions



Unit: mm



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