Advanced 3D Chroma Keyer

**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

**Chromakeyer settings**
- Foreground chroma Key adjustment

**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)
- **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: 10BASE-T/100BASE-TX RJ-45 x 2
- **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 480 (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

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<thead>
<tr>
<th>Width (W)</th>
<th>Height (H)</th>
<th>Depth (D)</th>
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<tbody>
<tr>
<td>430</td>
<td>480</td>
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Unit: mm