Flicker Corrector
FC-ONE

Suppresses flicker from high speed cameras and certain types of lighting conditions. No complex set-up required, just plug and play.

- Corrects distracting video flicker, common with sports stadiums and arena lighting sources.
- 1 input/output standard, expandable to 2 inputs/outputs (optional)
- Maintains image brightness and detail, unlike traditional global shutter solutions.
- Perfect for live or recorded material
- Correction process does not affect timing or vertical blanking interval.
- Compact 1U enclosure
- Can be controlled over a network, using a software GUI
- Supports 3G/HD-SDI input and output (1080p, 1080i, 720p)
- Other standard features
  - Process amplifier
  - Color corrector
  - Video clip

System configurations

For news reporting
ENG camera → FC-ONE

For live sports coverage*
Super slow-motion camera → ZE-ONE → Video server → FC-ONE
2x speed camera

*FC-ONE-EX 2nd channel expansion option is required for 2 inputs/outputs
Specifications

**Video format**
- 1080/59.94i, 1080/50i, 1080/59.94p (Level-A/B), 1080/50p (Level-A/B), 720/59.94p, 720/50p

**Video input**
- 3G-SDI (Level-A/B): 3.0 Gbps, HD-SDI: 1.5 Gbps, BNC x 4

**Video output**
- 3G-SDI (Level-A/B): 3.0 Gbps, HD-SDI: 1.5 Gbps, BNC x 4

**Video I/O processing**
- Standard: Processes the selected input (one of four) as one line for distribution to four outputs (manually assigned)
- With FC-ONE-EX: Processes the selected inputs (two of four) as two line for two outputs (manually assigned)

**Processing**
- 4:2:2 digital component

**Quantization**
- 3GHD-SDI: 10-bit

**Genlock input**
- BB: NTSC: 0.429 Vp-p/PAL: 0.45 Vp-p or Tri-level sync: 0.6 Vp-p, loop-through, BNC x 1 (to be terminated with 75Ω terminator, if unused)

**Synchronizer modes**
- Reference mode, Input mode

**Video delay**
- 2 frames (no FS function)

**Video functions**
- Process amplifiers, Color corrector

**Process amplifier**
- Video level: 0.0% to 200.0%
- Chroma level: 0.0% to 200.0%
- Black level: -20.0% to 100.0%
- Hue: -179.8° to +180°

**Video clip**
- YPbPr, RGB

**Color correction**
- Balance, Differential, Sepia

**Interface**
- Ethernet (100BASE-TX/1000BASE-T): RJ-45 x 1

**Temperature/humidity**
- 0°C to 40°C/30% to 90% (no condensation)

**Power/consumption**
- 100 V AC to 240 V AC±10%, 50/60 Hz/70 VA (68 W) (at 100 V AC to 120 V AC), 91 VA (67 W) (at 220 V AC to 240 V AC)

**Dimensions/weight**
- 430 (W) x 44 (H) x 400 (D) mm/7.0 kg

**Accessories**
- CD-ROM (Windows GUI installation disc including operation manuals), AC cord, Rack mount brackets

**Consumables**
- Power unit: Replace every 3 years.
- Cooling fan P-1493-2 (FAN 1-4): Replace every 5 years.

**Option**
- FC-ONE-EX: 2nd channel expansion option
- FC-ONE-PS: Redundant power supply

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**External view**

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**Rear panel**