

Versatile delay

Solves audio/video delay issues



EDA-1000/2000

Video/Audio Delay Unit

3G/HD/SD-SDI 4-input audio/video delay that also support 4K. Choose from the compact EDA-1000 (1U half-size) or the EDA-2000 (1U), with a redundant power supply. Audio, video and VANC delay can be set separately.

Features

Delay of up to 80 sec. available (optional)

Using an HD-SDI input, set a delay of up to 40 sec. Add an EDA-20EX option for delay up to 80 sec. Set separate delays for each of the four inputs, as needed. For VANC data delay, minimum delay can be set per line for specific VANC within each input channel.

Available delay when four inputs are used is divided equally among channels ($\frac{1}{4}$ the delay available for one channel).

Multi-format support

The units are 3G/HD/SD-SDI compatible. Delay both audio and video, or delay signals separately. They also supports 4K (Quad link 3G-SDI) input.

EDA-1000

Distribution is possible for up to four outputs when one channel of input is used. The unit is a compact 1U half-size model with a single power supply.

EDA-2000

Provides distribution of up to eight outputs when one channel of input is used. The EDA-2000 is a 1U model with redundant power supply.

Use SNMP for trap output or to check or configure settings

Control by dedicated remote controller (EDA-20RU, EDA-20GUI) or Telnet

Genlock using external reference signals is enabled*

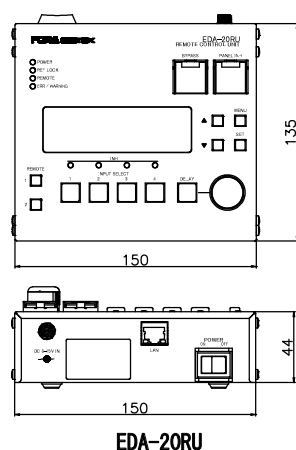
*Frame synchronization is not supported.

Video Formats		Delay (Max.)			
		Standard		with EDA-20EX	
		1line	4 line	1line	4 line
3G-SDI	1920 x 1080/59.94p, 1920 x 1080/50p	20 sec	5 sec	40 sec	10 sec
HD-SDI	1920 x 1080/59.94i, 1920 x 1080/50i, 1280 x 720/59.94p, 1280 x 720/50p	40 sec	10 sec	80 sec	20 sec
SD-SDI	720 x 483/59.94i, 720 x 576/50i	120 sec	30 sec	240 sec	60 sec

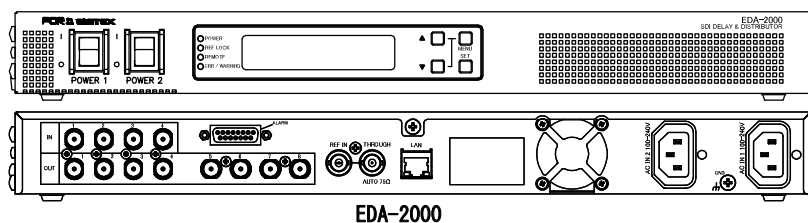
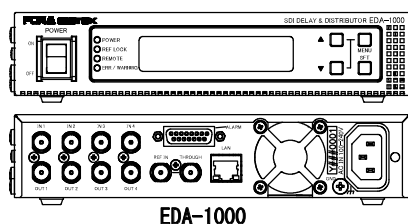
Specifications

Video inputs	3G-SDI: 1080/59.94p, 1080/50p, SMPTE ST 424 compliant HD-SDI: 1080/59.94i, 1080/50i, SMPTE ST 292-1 compliant 720/59.94p, 720/50p, SMPTE ST 292-1 compliant SD-SDI: 483/59.94i, 576/50i, SMPTE ST 259 compliant
Video outputs	3G-SDI: 1080/59.94p, 1080/50p, SMPTE ST 424 compliant HD-SDI: 1080/59.94i, 1080/50i, SMPTE ST 292-1 compliant 720/59.94p, 720/50p, SMPTE ST 292-1 compliant SD-SDI: 483/59.94i, 576/50i, SMPTE ST 259 compliant *Relay bypass from Input 1-4 to Output 1-4 (when the power is off)
EDA-1000	75Ω BNC x 4 (4 lines, up to 4 distributed outputs when 1 line is used)
EDA-2000	75Ω BNC x 8 (4 lines, up to 8 distributed outputs when 1 line is used)
Delay(Max.)	3G-SDI: approx. 20 sec. (40 sec.) HD-SDI: approx. 40 sec. (80 sec.) SD-SDI: approx. 120 sec. (240 sec.) *1/4 the delay available when 4 lines are used, 1/2 the delay available when 2 lines are used
Delay adjustment	VIDEO: Effective video section AUDIO: HANC space including audio signals VANC: VANC space
Reference input	BB: NTSC: 0.429 Vp-p/PAL: 0.45 Vp-p Tri-level sync: 0.6 Vp-p, 75Ω, BNC x 1 with loop-through
Phase adjustment	H Phase: ±0.5 Line, 1 Sample Step V Phase: ±0.5 Frame, 1 Line Step
LAN	100Base-TX, RJ-45 x 1 (remote control, SNMP v2c monitoring/control)
ALARM	15-pin D-sub (female), Fixed inch screw thread x 1 (Alarm output)
Alarm output	Power, FAN, Input signal fault detection, Genlock signal fault detection Output from SNMP-trap, ALARM connector
Temperature/Humidity	5°C to 40°C/10% to 80% (no condensation)
Power/Consumption	100 V AC to 240 V AC ±10%, 50/60 Hz/50 W (at 100 V AC)
Dimensions/Weight	EDA-1000 212 (W) x 44 (H) x 450 (D) mm/Approx. 5 kg
EDA-2000	430 (W) x 44 (H) x 400 (D) mm/Approx. 6 kg
Consumables	Cooling fans (to be replaced every 5 years) Power unit (to be replaced every 5 years)
Accessories	AC cord, Rack mount brackets (EDA-2000)
Options	EDA-20RU: Remote control unit EDA-20GUI: Remote control GUI EDA-20EX: Delay time extension

External View Diagrams



Unit: mm



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ISO 9001 and 14001 certified (Sakura R&D)

Design and specifications subject to change without notice.

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