

Time Base Corrector & Frame Synchronizer

FA-360/P

The FA-360/P provides high quality time base correction / frame synchronization performance. It corrects by up to one full frame the time base error / phase shift problems.

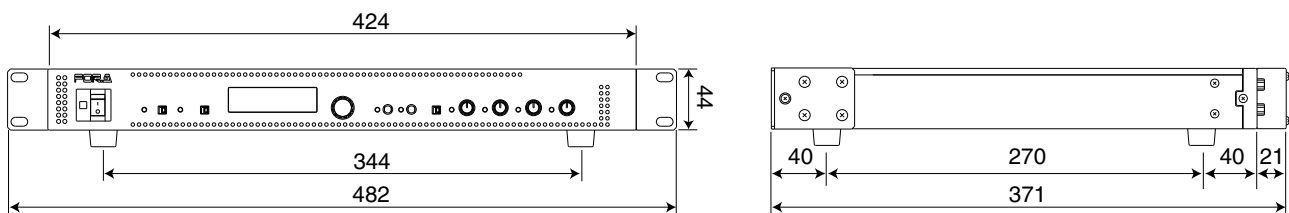


- Multiple I/Os; analog composite/component.
- Recursive filtering of Y and C to minimize or eliminate signal noise.
- Full frame memory to prevent picture field inversion during processing.
- 10-bit digital decoding used to ensure stable signals without bit dropout.
- 4:2:2 digital component internal signal processing.
- Selectable control interface; RS-232C for PC control of operations, RS-422 for remote device control.

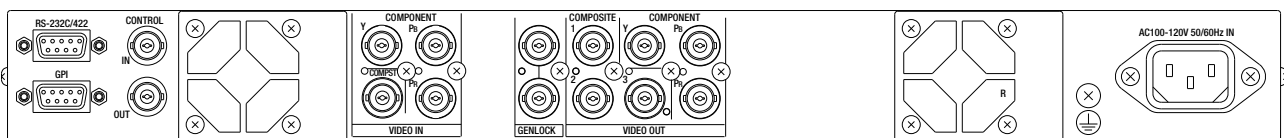
Specifications

Standard	FA-360: 525/60 (NTSC) or FA-360P: 625/50 (PAL)
Video Input	
Analog composite	1.0Vp-p, 75Ω, 1ea., BNC
Analog component	Y: 1.0Vp-p, PbPr: 0.7Vp-p, 75Ω, 1ea., BNC (BETACAM or M II level selectable for NTSC units)
Genlock Input	BB: 0.429Vp-p (NTSC) / 0.450Vp-p (PAL), 75Ω or loophrough, 1ea., BNC
Video Output	
Analog composite	1.0Vp-p, 75Ω, 3ea., BNC
Analog component	Y: 1.0Vp-p, PbPr: 0.7Vp-p, 75Ω, 1ea., BNC (BETACAM or M II level selectable for NTSC units)
Internal Processing	4:2:2 component
Correction Range	2 fields (field inversion prevented)
Sampling Frequency	Y: 13.5MHz, C: 6.75MHz
Quantization	10-bit
Frequency Response	NTSC: 100kHz - 4.2MHz ±0.5dB; 4.2MHz - 5MHz: -1dB; roll off above 5MHz Y: 100kHz - 4.2MHz ±0.5dB, 5MHz - 0.5dB, PbPr: 100kHz - 2.5MHz ±0.5dB roll off above 2.5MHz PAL: 100kHz - 5MHz ±0.5dB; 5MHz - 5.5MHz; -3dB roll off above 5.5MHz Y: 100kHz - 5MHz ±0.5dB, 5MHz - 5.5MHz: -1dB, roll off above 5.5MHz PbPr: 100kHz - 2.5MHz ±0.5dB, roll off above 2.5MHz
DG / DP	1.5% / 1° (APL 50%)
S/N Ratio	56dB (without quantization noise) 60dB (without quantization noise)
K-Factor (2T Pulse)	1% (composite); 1% (YPbPr component)
Process Control	Video Level: ± approx. 3dB / Chroma Level: ± approx. 3dB Setup Level: ±15 IRE / Chroma Phase: ±30°
Noise Reduction	4 step levels (motion adaptive filtering performed)
Interfaces	RS-232C/422 (selectable): 1ea., 9-pin D-sub (male) GPI: 1ea., 9-pin D-sub (female) Input: TTL negative pulse, make contact more than 33ms, Output: Make contact, max. 24VDC 40mA Control: 1ea. (IN / OUT), BNC
Temperature / Humidity	10°C - 40°C / 30% - 90% (no condensation)
Power	100VAC - 120VAC or 220VAC - 240VAC ±10%, 50/60Hz
Consumption	Approx. 56VA (36W) at 100VAC, Approx. 57VA (38W) at 220VAC
Dimensions / Weight	424 (W) x 44 (H) x 371 (D) mm / Approx. 6.0kg
Accessories	Operation manual / AC cord / Rack mount brackets
Options	FA-350RU Remote control unit / Panel cover / Rack bracket set

External Dimensions



Rear Panel



FOR-A COMPANY LIMITED

Head Office : 3-8-1 Ebisu, Shibuya-ku, Tokyo 150-0013, Japan

FOR-A UK Limited : UNIT C71, Barwell Business Park, Leatherhead Road, Chessington Surrey, KT9 2NY, U.K.

FOR-A Italia S.r.l. : Viale Europa 50 20093, Cologno Monzese (MI), Milan, ITALY

FOR-A America Corporate Office : 11125 Knott Ave., Suite #A, Cypress, CA 90630, U.S.A.

FOR-A America East Coast Office : 1065 Avenue of the Americas Suite #1701A New York, NY 10018, U.S.A.

FOR-A America Atlanta Office : 4219 Burns Heritage Trail, Roswell, GA, 30075, U.S.A.

FOR-A America Distribution & Service Center : 2400 N.E. Waldo Road, Gainesville, FL 32609, U.S.A.

FOR-A Corporation of Canada : 425 Queen St. W. #210, Toronto, Ontario M5V 2A5, CANADA

Homepage: <http://www.for-a.com>

+81 (0)3-3446-3936 Fax : +81 (0)3-3446-1470

+44 (0)20-8391-7979 Fax : +44 (0)20-8391-7978

+39 02-254-3635/6 Fax : +39 02-254-0477

+1 714-894-3311 Fax : +1 714-894-5399

+1 212-861-2758 Fax : +1 212-861-2793

+1 770-645-7776 Fax : +1 770-234-5165

+1 352-371-1505 Fax : +1 352-378-5320

+1 416-977-0343 Fax : +1 416-977-0657

