

FRC-30 Datasheet

1. Specifications

Basic specifications

Temperature	0°C - 40°C
Humidity	30% - 90% (no condensation)
Power	100 VAC - 240 VAC \pm 10%, 50/60 Hz
Consumption	30 VA (28 W) (at 100 VAC)
Dimensions	212 (W) x 44 (D) x 350 (H) mm
Weight	3 kg
Consumables (at 24-hour operation)	Cooling fan: Replace every 5 years at normal temperature.

Technical specifications

Video Formats	HD-SDI: 1080/59.94i, 1080/50i, 1080/23.98PsF, 720/59.94p, 720/50p SD-SDI: 525/60 (NTSC), 625/50 (PAL)
Video Input	Composite: NTSC or PAL, 1.0 Vp-p, 75 Ω , BNC x 1 HD-SDI: 1.5 Gbps or SD-SDI: 270 Mbps, 75 Ω , BNC x 1
Video Output	HD-SDI: 1.5 Gbps or SD-SDI: 270 Mbps, 75 Ω , BNC x 1
Monitor Output	NTSC or PAL, 1.0 Vp-p, 75 Ω , BNC x 1
Quantization	Y: 10-bit, C: 10-bit
Sampling Frequency	Y: 74.25 MHz or 74.25/1.001 MHz or 13.5 MHz C: 37.125 MHz or 37.125/1.001 MHz or 6.75 MHz
Internal Processing	2 inputs (COMPOSITE or SDI) > 1 process > 2 outputs
Input Cable Length (5C-FB or equivalent)	HD-SDI: Approx. 140 m SD-SDI: Approx. 300 m
Genlock Input	BB: 0.429 Vp-p / 0.45 Vp-p or Tri-level sync 0.3Vp-p, 75 Ω , BNC x 1
Reference Mode	Reference lock mode, Input mode, Free run mode
Phase Adjustment	Reference lock mode: Horizontal: \pm 1/2H
Process Amp	Setup level: -14.0 to 14.0% (0.1% steps) Y level: 70.0 to 130.0% (1.0% steps) Chroma level: 70.0 to 130.0% (1.0% steps)
Audio Input	Embedded audio: 16 channels (Group 1-4), 48 kHz
Audio Output	Embedded audio: 16 channels (Group 1-4), 48 kHz

Accessories

AC cord, and Operation manual

2. External Dimensions

(All dimensions in mm.)

