

# Product Spec Sheet from Rentex

## PIX 270i Video Recorder

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Rentex Product No. XVR0100



**SDI Input & Output** 4:4:4 or 4:2:2; 12, 10, or 8-bit, 3G-SDI (levels A and B), HD-SDI, or SDI, Output 4:4:4 or 4:2:2; 12, 10, or 8-bit 3G-SDI (level A), HD-SDI, or SDI, SMPTE 12M-1, 12M-2, 125M, 259M, 272M, 291M, 292, 296M, 299, 352M, 372, 424, 425

**HDMI I/O** Input v1.4a, 4:4:4 or 4:2:2, RGB or YCbCr, 10 or 8-bit, HDCP-enabled, Output v1.3, 4:2:2 8-bit, RGB and YCbCr

**Video Input Resolutions / Rates** 1080p23.976/24/25/29.97/30  
1080i50/59.94/60  
1080PsF23.976/24/25/29.97/30  
720p23.976/24/25/29.97/30 (SDI Only)

**Codecs and File Formats** Apple ProRes 4444, 330 Mb/s, 12-bit and Apple ProRes 36, 100, 145, 220 Mb/s, 8 and 10-bit  
Avid DNxHD 36, 145, 220 and 220x  
Broadcast Wave (.WAV) monophonic and polyphonic audio only (with embedded iXML, bEXT)  
exFAT file system

**Frame Rate Conversion** Conversion between 23.976, 24, 25, 29.97 30, 50, 60, automatic 3:2 pull-down removal in 23.976 and 24 frame modes, other pull-down cadences include 2:2:2:4, 2:3:3:2, 3:2:3:2:2, and 2:2

**Audio Recording** 64 channels record/playback @ 48.048 kHz sample rate and lower, 32 channels record/playback @ 88.2 kHz sample rate and higher (audio only mode)  
Simultaneous Analog, AES/EBU, HDMI, SDI, Dante, or MADI, selectable per channel

**LCD Display** 5-inch LCD - IPS (In-Plane Switching), glossy, 800x480 pixel LCD display, ultra-wide viewing angle and high color accuracy

**Physical** Size (H x W x D): 3.3" x 8.6" x 10.3" (8.4 cm x 21.8 cm x 26.2 cm)  
Weight: 7.5 lbs

**Analog Audio** 8 balanced, line-level I/O on DB-25, ch1, 2 also on XLR Freq. Res of 10 Hz-20 kHz, +/- 0.5 dB re 1 kHz; THD + Noise: 0.004% max (1 kHz, 22 Hz-22 kHz), fully electronically balanced, line-level, RF, ESD, short, and overload protected; pin-2 hot, pin-3 cold, line output clipping level: +18dB, output attenuation 0-20 dB, 1 dB increments  
Front-panel headphone, 1/4" with gain control

**Digital Audio** 24-bit at SR of 44.1 kHz, 47.0952 kHz, 48 kHz, 48.048 kHz, 88.2 kHz, 96 kHz, accepts 32k, 44.1k, 48k, 96k, 192k sample rates with SRC at input.  
AES/EBU: 8 channels in and out via DB-25, 110 ohm, 2 V p-p  
HDMI: 8 channels embedded HDMI input, 8 channels embedded HDMI output  
SDI: 16 channels embedded SDI input and output  
Dante - 64 channels input and output  
MADI BNC: 1 in, 1 out, 75 ohm  
MADI Optical: 1 in, 1 out, multi-mode  
MADI Sample rates: 96k, 88.2k, 48k, 44.1k, built-in SRC when Sync Source <> MADI  
MADI Channels: 64 or 56, varispeed not supported

**Up/Down/Cross Conversion** 480i, 576i, 720p, 1080i, 1080p to 480i, 576i, 720p, 1080i, 1080p, anamorphic conversion

**File Storage** XL-CADDY mounted drives: two, front-mounted Sound Devices approved 2.5-inch drives  
eSATAp-connected drives: two, rear panel ports for Sound Devices approved drives, supplies 5V @ 2A  
Ethernet file transfer via SMB/CIFS volume

**Timecode** Modes Supported: Freerun, Record run, External  
Frame Rates: 23.976, 24, 25, 29.97DF, 29.97ND, 30DF, 30ND  
Accuracy: +/- 0.2ppm, holds accurate time code for 2 hours after power is removed  
Inputs / Outputs: BNC (LTC input and output), SDI or HDMI

**Sync Output** Analog bi-, tri-level sync / genlock  
Wordclock (square wave, 48 kHz sampling rate, 3.3 vp-p, 75 ohm)

**Sync Input** Analog bi-, tri-level sync / genlock  
Wordclock (square wave, 48 kHz sampling rate, 3.3 vp-p, 75 ohm)

**Control** RS422 Machine control (Sony 9-pin protocol)  
Ethernet Web-based control of settings and transport  
GPIO on 3 pins, Phoenix connector  
Keyboard Front-panel USB host. Keyboards without hubs acceptable.

**Power** Dual DC power supply 4-pin XLR (pin1 = ground, pin4 = +), 10-27 VDC, 30 watts  
PowerSafe™ circuitry with 10 second power reserve with power removed