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FAQ



TLC4000 Family Time Lapse VCRs Frequently Asked Questions

Version 01-2001f , June 26, 2001

Overview: GYR is known for producing the highest quality VCR's since the inception of the first time-lapse recorder back in 1972. GYR continues this tradition by providing a new family of VCR's. The TLC4000 series is driven by customer feedback for value-add features, ease of use, cost effectiveness and of course, quality.

GYR has joined forces with a new VCR chassis manufacturer to jointly develop our new TLC4000 family. Our new recorder family has been rigorously tested and conforms to GYR's high quality standards. This new family is fully compatible with our TLC1800/2100 and HD series and also has jog/shuttle, RS232 control, exceptional picture quality and STILL the best warranty in the CCTV industry.

General Questions & Answers

Why has GYR changed from the current Hitachi chassis?

Although Hitachi continues to be a quality manufacturer of VCR's, GYR feels that in order to be more competitive in our ever changing market, we had to look to alternative manufacturers. Our new manufacturing partner offers the required features for our market without sacrificing the quality that you have come to expect from GYR.

Does this mean Gyyr will no longer haved Hitachi based VCRs?

No, in fact our top-of-the-line TLC2100 & TLC2100SHD models will continue to be offered in both basic and value-add variants. Only the Hitachi based HD models (and TLC2124) have been replaced.

What distinguishes the TLC4000 family from the current offering?

Lower cost, Jog Shuttle Wheel, Standard RS232 control and improved serviceability

What are the details on these new benefits?

Lower Cost: The TLC4000 Family VCRs are generally 25% lower in price compared to the previous models.

Jog/Shuttle Control: The front panel mounted Jog/Shuttle control allows simple, user friendly navigation to a desired scene. During playback mode, turning the Shuttle Ring will adjust the playback from 160hr, 96hr, 8 hr, 5x, 10x or 15x speeds, forward or reverse. The inner Jog Dial allows you to step field-by-field, forward or reverse.

RS232 Control: The RS232 input provides advanced control capability from a host device. Additionally, the host device can query the VCR, and retrieve comprehensive information concerning the operational status. Time/Date synchronization, error modes, alarm information and lots of other information are available with a compatible device. Look for other Gyr management and administration products to fully utilize these features soon.

Improved Serviceability: Parts count and chassis layout are greatly improved. Replacement parts are expected to be considerably less expensive. The tape transport assembly is easy to get at and replace with minimal tools and time.

Is the TLC4960 compatible with the TLC1800 and TLC2100?

Yes, tapes recorded on any of these VCRs will play back on each other. These VCRs have Standard Density Video heads, and will be cross compatible with any Standard Density Time Lapse VCR.

Are the TLC4000 HD models compatible with GYYR TLC2100 HD decks?

Yes, tapes recorded on any of these VCRs will play back on each other. These VCRs have High Density Video heads, and will be cross compatible with any High Density Time Lapse VCR.

Will a tape from a TLC4960 (Std. Density) VCR playback on a TLC2100 HD VCR?

Only at the fastest normal speed, which should be the 2 hour speed. They would not play back properly at any time lapse speed. Generally, HD & SD formats have this limitation, regardless of manufacturer.

The main exception to this rule is the TLC2100SHD; This VCR has BOTH HD & SD heads, and can play and record in either HD or SD modes. Additionally, it will record or play in SVHS format, in either density format.

Both the 4024 and 4960 (Std. Density) VCRs have a 6 hour speed; Is this the same as the HD deck's 6 hour speed?

No. These decks have an unusual 6 hour SP mode, which is actually a time lapse speed. The 6 hour record rate is 20 fields/second, calibrated for a T120 tape. Most TLVCRs don't have this same speed, so you'll have to play this format tape at a speed faster or slower than the original speed. The handiest use of this feature is in playback mode, where a normal 2 hour recorded tape can be played at 1/3 normal speed.

Does the TLC4000 have the same Horizontal resolution as previous GYYR VCR's?

Yes – 300 lines color, 400 lines monochrome; Compared to the TLC2100, the new TLC4960 has better Color resolution; 300 vs. 240 lines.

Does the TLC4000 carry the same GYYR one-year warranty?

Yes, and it includes coverage for the video heads.

Are these VCRs available from other Manufacturers?

Although there may be other VCRs that look cosmetically similar, the 4000 family VCRs have several key features that are unique. Gyr's VCRs have proprietary software and hardware enhancements that give superior picture quality compared to the look-alikes. Specifically, you'll see higher B&W resolution specs, 400 lines vs. 350, typically. Gyr units have been calibrated to reproduce cleaner images, with less perceptible video noise. Our VCR's include the Advanced RS232 remote feature that the others don't have. And we back our VCR's with a full one year P&L warranty (inclusive of video heads) missing from competitive units.

Family Overview

New Model	Equivalent Model	Record Format	New Model Speeds	Availability
TLC4320HD	TLC3216HD (Flexdeck)	HD	*8-320 hours	Available Now
TLC4040HD	TLC2130HD	HD	*8-40 hours	Soon
TLC4024	TLC2124	Std Density	2-24 hours	Contact Gyr
TLC4960	TLC2100	Std Density	2-960 hours	July '01

* TLC4000 HD Models (4320 & 4040) tape speeds are calibrated for T160 tapes. All Gyr Standard Density VCRs are still calibrated for T-120 length tapes.

Major Feature Comparison – HD Models

Features	4320HD	Flexdeck	4040HD	2130HD
Record/Play Speeds	6, 18, 30, 72, 96, 120, 168, 240 (T-120); 8, 24, 40, 96, 128, 160, 224, 320 (T160)	6, 18, 30, 48, 72, 96, 120, 168, 192, 216 (T-120)	6, 18, 30 (T-120); 8, 24, 40 (T160)	6, 18, 30 (T-120)
One Shot Record Mode	X		X	
Jog/Shuttle	X		X	
RS232	X		X	
Auto Daylight Savings Time	X		X	
Audible Buzzer	X		X	
Resolution, Color	300	300	300	300
Resolution, Monochrome	400	400	400	400
Video S/N Ratio	44	44	44	44

Major Feature Comparison Standard Density Models

Features	4960	2100	4024	2124
Record/Play Speeds	2, 6, 12, 24, 36, 48, 72, 120, 168, 240, 480, 960 (T-120)	2, 18, 24, 48, 72, 120, 180, 240, 360, 480, 600, 720, 960 (T-120)	2, 6, 12, 24 (T-120)	2, 12, 24 (T-120)
One Shot Record Mode	X	X	X	
Jog/Shuttle	X		X	
RS232	X	Optional	X	
Value Add Versions Available		RS232, TDS, S16, SHD		
Auto Daylight Savings Time	X		X	
Audible Buzzer	X		X	
Resolution, Color	300	240	300	240
Resolution, Monochrome	400	400	400	400
Video S/N Ratio	45	45	45	45