



**nitamericas**  
INCORPORATED

**LongRecord LS Series Key Features and functions:**

- Extra long record time options, up to 8 hours or greater
- Max resolutions up to 4,672 x 3,416 pixels
- Max frame rates up to 2,000 fps at 720p (1280HS model), even higher frame rates at reduced resolutions
- Base memory of 1TB, options up to 4TB for longer record times up to 8 hours
- Variety of camera options
- Multi-camera synchronization
- IRIG time stamp option available
- Motion analysis software with automatic tracking features available for both 2D and 3D
- Max SDI CoaXpress cable lengths up to 35m, Max Single mode Fiber Optic lengths up to 10 km

# LongRecord LS Series

High Speed, High Resolution, Long Duration Recording

The industry's choice for High Speed, High Resolution, Extra long duration imaging solutions.



Measuring accuracy for high speed digital image acquisition barely visible to the human eye requires the most precise, tested, and reliable solutions. As the industry demands continue to rise for extra long duration applications, new solutions are required to answer the call of some of the most demanding high speed applications to date.

The LongRecord LS Series is the ideal solution for high speed, long duration applications that require an excess of 480 minutes of extra long record time.

The LongRecord LS Series is tried, tested, and well designed for use in production applications. In addition, the ultra-high performance LongRecord LS Series is perfect for demanding range applications that require long recording times and high spatial resolution, all while recording at high frame rates and IRIG-B time code.

The LongRecord LS Series of high speed, long duration, high resolution camera systems are useful for customers in industry, aerospace, military and R&D research.



**Variety of LongRecord LS Series System options**

	Model LS4672XLRT	Model LS1700XLRT	Model LS1920XLRT	Model LS1280HSXLRT	Model LS1280XLRT
Max Resolution	4,672 x 3,416	1,696 x 1,710	1,920 x 1,080	1,280 x 800	1,280 x 1,024
FPS @ Max Res	148 fps	540 fps	1,087 fps	2,000 fps	1,040 fps
Max FPS	30,667 fps	100,000 fps	34,602 fps	11,175 fps	200,000 fps
Memory	1TB, 2TB, 4TB	1TB, 2TB, 4TB	1TB, 2TB, 4TB	1TB, 2TB, 4TB	1TB, 2TB, 4TB
Available Formats	Mono / Color	Mono / Color	Mono / Color	Mono / Color	Mono / Color
Exposure time	4 µs	2 µs	2 µs	2 µs	2 µs
Pixel Size	3.9 µm	8 µm	10 µm	13.7 µm	6.6 µm
Lens Mount	C, F, G, M42	C, F, G, M42	C, F, G, M41	C, F, G, M42	C, F, G, M42
(camera) Weight kg	0.4 kg	0.4 kg	0.4 kg	0.4 kg	0.4 kg
(camera) Dimensions mm	85 x 85 x 49	85 x 85 x 49	85 x 85 x 49	85 x 85 x 49	85 x 85 x 49

NIT Americas Inc.  
543 Country Club Drive, #B-534  
Simi Valley, CA 93065  
Tel: (800) 969-2711  
E-mail: sales@nacinc.com