

Technical News Bulletin

Steinhausen, September 2023

The screenshot displays the FlexRadar software interface. On the left, two vertical thermal images of a bottle are shown, labeled 'Main' and 'Satellite'. The 'Main' image shows a bottle with a red base and a blue top, while the 'Satellite' image shows a similar but slightly different thermal profile. Below these images is a timeline bar with a play button and a '5 fps' label. The right side of the interface contains a 'Settings' panel with a calendar for May 2022, a 'Start time' field set to 2:00, and a 'Section' dropdown set to 1. Below the calendar, there are checkboxes for 'Main camera' and 'Satellite camera', both of which are checked. A 'Color palette' dropdown is set to 'XPAR'. The bottom right section, titled 'Metadata', shows the 'Timestamp' as 'Tuesday, May 31, 2022 02:00:01' and a 'Not rejected' status. It also lists the 'Main image' and 'Satellite image' file paths.

Tuesday, May 31, 2022 02:00:01

Main Satellite

Settings

Start time: 2:00

May 2022

Mon	Tue	Wed	Thu	Fri	Sat	Sun
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Section: 1

Cavity: 1

Show images from: ☒ Main camera ☒ Satellite camera

Color palette: XPAR

Metadata

Timestamp: Tuesday, May 31, 2022 02:00:01

Not rejected

Main image: L:/Data/2022-05-31/02/20220531_020001_4640870408_sl_c1_main_r00.jpg

Satellite image: L:/Data/2022-05-31/02/20220531_020001_4640870321_sl_c1_satellite_r00.jpg

FlexRadar Long-Term Image Storage

- Add-on service application designed to support production and quality departments
- All FlexRadar captured images of each container are stored in a dedicated repository, locally, or in the cloud
- Impact of customers' claims is minimized by proof of images

Introduction

The purpose of the Long-Term Image Storage (LTIS) is to store and retrieve any captured image by the FlexRadar. Therefore, a thorough analysis of images and associated data allows for corrective steps, whenever required. Every captured image is available on demand.

LTIS and FlexRadar

Description

The LTIS consists of an integrated hard drive and a dedicated application. FlexRadar systems delivered from August 2023 are equipped with the hard drive. A retrofit kit is available for existing FlexRadar systems. Contact Emhart Glass to activate the LTIS application.

Access to stored images can be filtered by:

- Date and time
- Section
- Cavity
- Camera (main or satellite)

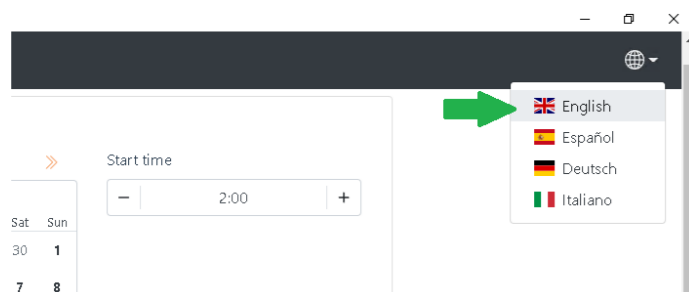
Configuration

The activation of the LTIS application creates a shortcut on your desktop, either on the FlexRadar user interface or on any other computer (by remote access).

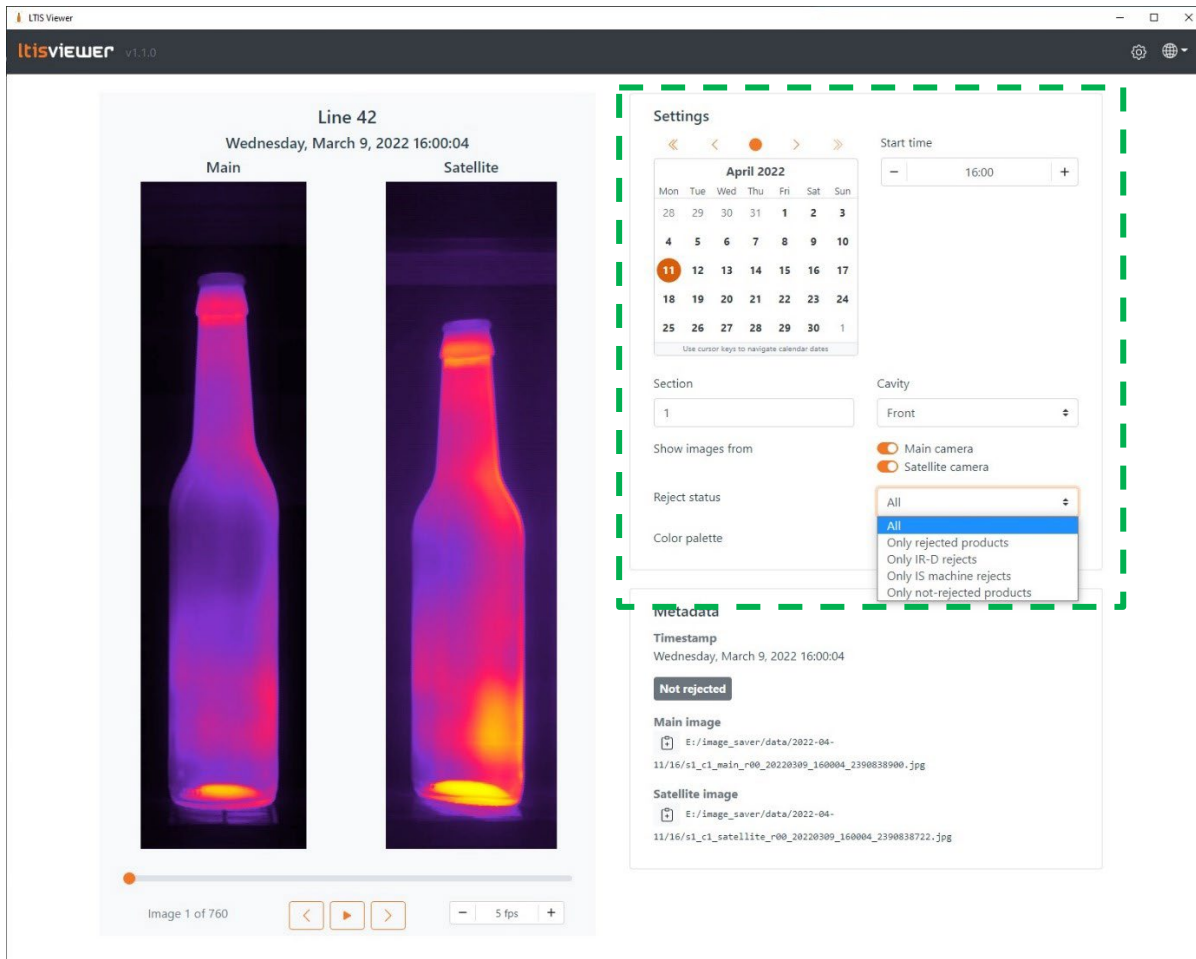
Click this icon to open the image viewer:



First, select your language:



Then, search the desired image using the different parameters from the filter:



Access to the LTIS application

The LTIS application is ready to use (no adjustment required on the FlexRadar) and accessible from the FlexRadar user console, as well as from any computer connected via Remote Desktop Protocol (RDP) by entering a dedicated password.

Installation Requirements

FlexRadar systems delivered from August 2023 are fully equipped with the hardware.

Already installed FlexRadar systems can be updated with a LTIS retrofit kit (part number 604-1021-1) consisting of:

- Hard drive (604-10212)
- Sata cable (604-10213)
- Bracket (604-10214)
- LTIS License (604-10215)

Contact Emhart Glass at automationsupport@emhartglass.com for the setup of the communication and the activation of the LTIS application.

Documentation

Information about installation and use is available in the FlexRadar Instruction Notice, reference HE44006.

Features

Image storage in a database with remote access
(minimum average 12 months, depending on
production speed)

Selection of the required image by date, time,
and section/cavity

Fully integrated in the Flex Radar system

Potential for future enhancements

Benefits

Images are stored and used as reference for
production and quality departments.

Container recall is better documented and production
phases better delimited.

No need for FlexRadar system upgrade

Already configured for future software developments,
such as the direct access to the images from the
container Data Matrix code (coming soon)
