



### Areas of Use

Food and Beverage Industry	Pharmaceutical Industry	Pulp and Paper
High Speed Reject Timing	Vial/Syringe/Ampule Handling	Assist in Adjusting tolerance processes
Provide History of Jams and Stops	Capping, Sealing, Closing, Packaging	Minimize Waste
OEM FAT's	Coding, Labeling, Serialization	Trigger To Quickly Identify Breaks
Underfill and Overfill	Feeding, Compressing, Encapsulating	Identify Problems in Trim Squirt
Timing Issues	Product Flow/ Nozzle Drip on Fillers	Find Defects on Forming Wire to Felt
Investigation Tool	Bottle Unscrambling/ Nozzle Drip on Fillers	Reliability of Machine Components
Training Tool for New Technicians	IQ/OQ/PQ Documentation	Find Issues on Rollers, Slitters, and Unwind/Rewinders.



# 20/20 HINDSIGHT

CONTINUOUS MONITORING SYSTEM  
MORE THAN JUST HIGH SPEED VIDEO



The Hindsight product line is built from the ground up to record high frame rate video in the plant environment. With an eye toward function and ease-of-use, Hindsight high speed cameras combine the most advanced video recording technology packaged in a way that provides a solution all levels of applications and demands.

**Monitoring Technology**



Monitoring Technology LLC  
20/20 Hindsight Product  
Marketing  
12500 Fair Lakes Circle, Suite 140  
Fairfax, VA 22033  
Telephone: 703.698.5520  
Fax: 775.205.6842  
[sales@2020hindsight.com](mailto:sales@2020hindsight.com)  
[www.2020hindsight.com](http://www.2020hindsight.com)

The 2020CAM high-speed industrial camera system is available in a variety of packages to meet your specific troubleshooting and monitoring needs.

## 20/20 Hindsight MultiCart (Enterprise Level)

The flagship product of the 20/20 Hindsight product line with support for multiple cameras and the longest recording times. **The stainless steel solution for the most demanding applications.** The MultiCart features a stainless-steel movable cart which includes lockable internal storage, wireless capability, and support for up to six simultaneous MultiCams.

- Available in monochrome or color.
- **Duration:** 480 GB (standard) and 960 GB (optional) buffer sizes available.
- **Speed:** Highest frame rates (frames per second) available from 125 FPS to 10,000 FPS.
- **Customization Features:** Networkable, Wireless, NEMA4 rated, six simultaneous camera views.
- **Technology:** Internal SSD storage and JPEG2000 state of the art compression, Power over Ethernet for MultiCams.

### Stainless Steel Cart Specs:

- Manufactured in an ISO 9001 certified facility
- 4 heavy-duty caster wheels – 2 locking swivel and 2 rigid.
- Integrated HD display with 360° rotation for viewing optimization.
- Theft-Resistant locking storage cabinet with foam lined drawers
- Pull out laptop drawer with docking station.
- Fan for forced ventilation. GFCI and surge protection.
- External connections patch panels for cameras and LED lights.
- *Optional* wireless access for remote viewing.
- *Optional* splash-resistant Polycarbonate monitor enclosure



## 20/20 Hindsight EyeCase (Express Level)

**A portable solution in a custom-designed case for quick setup, and seamless travel.** Designed to be airline carry-on size, the EyeCase offers the power of Hindsight in a complete single box solution.

- Available in monochrome or color.
- **Duration:** 120 GB (standard) and 240 GB (optional) buffer sizes.
- **Speed:** Highest frame rates (frames per second) available from 125 FPS to 10,000 FPS.
- **Customization:** Choose between Single or Dual Camera, Wireless, and Networkable.
- **Technology:** Internal SSD storage and JPEG2000 state of the art compression, Power over Ethernet for MultiCams.

### EyeCase Specs:

- Self-contained laptop, engine & camera(s).
- Meets TSA-approved carry-on size for major airlines.
- Small footprint - perfect for travelling from plant to plant.
- Dedicated foam-lined storage area for cameras, lenses, and accessories.
- Easy access connection panel for camera and LED light hook-ups
- Optional wireless connectivity.
- Pad-lock ready for added security.
- Simple setup – start capturing video in minutes!



## 20/20 Hindsight MicroCAM (Entry Level) – Pricing starts at \$12,000

The newest member of the 2020CAM family. The MicroCAM is a self-contained video recording camera. **Simple, small and powerful - the MicroCAM is a single head solution.**

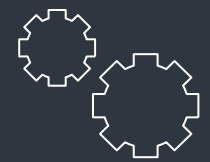
- Available in monochrome or color.
- **Duration:** 15 GB, 30 GB and 60 GB buffer Sizes
- **Speed:** Highest frame rates (frames per second) available in 125FPS and 250FPS.
- **Customization:** Single Camera and wired only available.
- **Technology:** State of the art image sensor, Global shutter allows for no skewing of images.

### MicroCAM Specs:

- 2500 ISO/ASA
- 1280 x 1034
- 14 µm X 14 µm Square Pixels
- 104” Optical Format

### Entry Level Package Includes:

- MicroCAM high speed camera
- C-Mount Manual Lens
- Single 2020Cam software license and Windows client
- Power Cable – 3 Meter
- Network Cable – 3 Meter
- Articulated arm, mounting clamp, and camera mounting foot.



## BUFFER TECHNOLOGY

20/20 Hindsight’s buffer technology allows for easy hands free play back.

The software also provides the capability to create event clips and event clips can be trimmed down to the most useful seconds of video in order to save space when storing and especially when exporting the clips.



The 2020CAM Clip Viewer is a program that can be installed on an office PC and allows importing and viewing of 2020CAM clips that are obtained on the plant floor, with frame-by-frame playback control. Controls on the display allow the user to easily manipulate the views, identify important frames of interest and control system operation.

## CLOUDVIEW



The 2020CAM Clip Viewer has the capability to store and share 2020CAM clips on CLOUDVIEW®.

CLOUDVIEW® is a secure\* cloud computing platform and storage medium for sharing 2020CAM high speed video clips.

Registered CLOUDVIEW® account users are able to upload their saved 2020CAM video clips from Local Computer video clip storage into their CLOUDVIEW® storage archive through their 2020CAM Clip Viewer Application.

\*Hosted by Microsoft Azure