



**CONMARK**

# PAPER MACHINE VIDEO MONITORING

**PMVIDEO** is a fully synchronized multiple camera system which monitors your paper machine to capture events on video recorders.

**PMVIDEO SYSTEM** functions by continuously monitoring the real time process through the use of closed circuit digital cameras. The system provides continuous real-time monitoring of your paper machine, recording up to 60 digital images per second. The information is stored on digital video recorders and break events can be replayed later to determine the cause. This gives the end-user all the visual aids necessary for a complete analysis of a paper machine process events.

**PMVIDEO SYSTEM** has been designed to provide reliable and continuous paper machine monitoring. Breaks and other events are recorded onto high quality digital video, providing operators and engineers an opportunity to identify and analyze problems at their convenience anytime after they occur.

## NEW ALL DIGITAL RECORDER AND CAMERA

PMVideo new all digital recording technology is the latest in video recording technology. Standard GigE Vision communication allows the camera to transmit high quality images over the Ethernet network over long distances.

The system has several options for different resolution of the cameras including 640x480 and 1024x1024. Camera frame rates can be selected up to 500 fps with the standard being 90 fps. An Intel based processor can handle up to four cameras with one computer. Recorders are also available as Small Form Factor enclosures. See picture below.



## IMAGE REVIEW

The system catalogues the event sequences for later review and easy recall. The main user interface allows a frame by frame video review of all cameras that can be either real time, or Synchronized, thus allowing showing always the same spot of paper. Each video clip can be further reviewed and edited by means of the video clip window. Additional features are: video signal trending for fast access to the event frame, multiple playback speeds, starting, stopping, reversing and freezing video-clips, exporting video clips at different compression levels, frame per second rates and resolution, digital image processing options and frame editing features.



## STEEL CAMERA HOUSING WITH WIPER:

The SSH129 Camera Housing is constructed entirely from AISI316L stainless steel, for use in Paper Machine environment and in general where corrosive agents can cause a rapid deterioration of a standard aluminum-steel housing.

Thanks to its competitive price, the SSH129 camera housing can be also used as a substitute for an aluminum housing, where high level quality and refined design are requested. The housing is engineered to ensure the best protection from external agents and to allow an easy installation and maintenance.

The opening of the housing, even when installed, is quick and easy. The outer body can be removed by unscrewing only two screws in the rear flange, while the internal rail, where the camera is mounted, doesn't move from its position, making easier the adjustment of camera and lens.



## THE PMVIDEO APPLICATION SOFTWARE OFFERS:

- Either color or B&W cameras
- Unlimited number of cameras
- Easy installation/operation
- Automatic capture of events
- Historical data review capabilities
- Image analysis opportunities
- Diagnostic/troubleshooting tools
- Cataloging/storage capabilities
- Minimal maintenance and repair
- Up to 25 views per playback page



**CONMARK**  
Conmark Systems, Inc.  
www.conmark.com  
770-300-0224  
info@conmark.com