

iBeam® Systems Time-Lapse Pro Camera

- The iBeam® Systems Time-Lapse Pro all-weather on-site construction camera provides the means to build a high-resolution photo archive of the entire project, including stunning 1920 x 1080p (progressive) high-definition time-lapse movies each month.



for decks (www.fire.ca.gov/wildland_content/downloads/decks.pdf), eaves (www.fire.ca.gov/wildland_content/downloads/eaves.pdf), roof coverings (www.fire.ca.gov/wildland_content/downloads/roofs.pdf), walls (www.fire.ca.gov/wildland_content/downloads/walls.pdf), exterior windows (www.fire.ca.gov/wildland_content/downloads/windows.pdf), gutters (www.fire.ca.gov/wildland_content/downloads/gutters.pdf), and exterior vents (www.fire.ca.gov/wildland_content/downloads/vents.pdf).

At the outset of the design of the first Optimum Performance Home, due consideration was given to incorporating building materials, systems, and assemblies used in the exterior and interior design and construction of the home that would mitigate fire risk. Thus, as it turns out, the Optimum Performance Home will be in full compliance with the new California building codes, and in fact, exceed those provisions with attention to fire-risk mitigation in the interior of the home. Thus, the home is designed and is being constructed to resist the intrusion of flame or burning embers projected by a vegetation fire.

iBeam® Systems Time-Lapse Pro Construction Camera

As a further means to document the construction of the first Optimum Performance Home, an iBeam® Systems Time-Lapse Pro all-weather on-site construction camera will be installed and operational throughout the construction period. This will allow us to build a high-resolution photo archive of the entire project, including stunning 1920 x 1080p (progressive) high-definition time-lapse movies each month.

Photos will be captured and automatically uploaded to iBeam's secure server every 15 minutes from 6:00 am to 6:00 pm each day and will be viewable through a link from the *Ultimate Home Design* Web site. Furthermore, the images can be easily e-mailed or printed to document jobsite conditions. This will allow our project team and all those interested in this project to view up-to-date progress on the construction of the home. iBeam will allow our team to stay informed about the flow of work and will keep an organized record of the process, using live jobsite images.

The requirements for the iBeam Time-Lapse Pro are power, an Internet connection, and a suitable location to mount the camera. In our case, the camera will be mounted on a 20-foot power pole and interfaced with WildBlue™ Satellite Speed Internet® provided by the DISH® Network. The time-lapse images and streamed monthly movie will be accessible to everyone by visiting www.ultimatehome-design.com/oph and by signing on with Username: OPHSeaRanch and Password: OPHSeaRanch.

At the conclusion of the project, the entire construction photo archive will be featured as a 1080p high-definition time-lapse movie and will become part of a high-definition television program and educational documentary that my production partner, Steve Michelson of Steve Michelson Productions, and I are producing. Steve owns Lobitos Creek Ranch, a full-service production and postproduction studio located in the coastal hills south of San Francisco, California at Half Moon Bay. They offer a wide variety of services for video and digital media production, including development, co-production, editing, animation, HD optical disc, DVD, Web-enabled DVD, and multimedia design and authoring. With 30 years of experience in producing video, Steve's work includes concerts, documentaries for public television, and communications for non-profits and corporations.

iBeam's other construction cameras are the iBeam OnSite and iBeam Handheld. The OnSite monitors construction activity live, while the Handheld provides a cordless Web cam, which allows live interior and detail construction views of a project.

For more information on iBeam's construction cameras, visit www.ibeam-systems.com.

WildBlue Satellite Speed Internet

In order to facilitate capturing the high-resolution images taken on-site by the iBeam Time-Lapse Pro construction camera, we are using the "always on" WildBlue Satellite Speed Internet system developed by WildBlue Communications, Inc. and offered as part of EcoStar's DISH Network satellite services. The offer is provided separately under the EchoStar brand name, and sub-branded as "powered by WildBlue." The new WildBlue Enterprise Solutions™ satellite services system offers business-class broadband