



VIDEO DISPLAY OPERATION

BRING YOUR SCHOOL'S ATHLETES AND FANS
GAME-DAY EXPERIENCE TO THE NEXT LEVEL WITH
DAKTRONICS SCOREBOARD AND VIDEO DISPLAY
CONTROL. WE OFFER VARIOUS SOFTWARE
CONFIGURATIONS AND CONTROLLER OPTIONS TO
ALLOW YOU TO CUSTOMIZE YOUR PRODUCTION.

SCOREBOARD CONTROLLER

› ALL SPORT® OPERATOR

Fundamental to every scoring and display system is the scoreboard controller operator. Considered separate from the video display control operation, the operator(s) runs the Score, Time, and other scoreboard data. The same operator may control the scoreboard's game clock, or if desired, a specific clock operator may be used. The scoreboard controller operator may be in the same location as the video control operators, or they can be in two different locations. Below is what the scoreboard controller would use to score a basic high school game.



ALL SPORT

ONE PERSON CREW

› SHOW CONTROL OPERATOR

A video display can function with one operator configuring and managing all video display content from one computer with Daktronics Show Control software. Arrange playlists, create and preview content, import from a variety of image file formats and more.

“As a media professional living in this community, I’m proud of our first class sporting venue. With Daktronics top-of-the-line equipment, we can produce riveting, professional-looking video. For high schoolers to have this opportunity, it’s truly amazing.”

*Collin McKenzie
Community Volunteer
Harrisburg High School
Harrisburg, South Dakota*

DISPLAY FEATURES

- › Announcements
- › Statistics
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › DVD (player not included)
- › 240 GB of total storage available



SHOW CONTROL

ALTERNATE ONE PERSON CREW

› TRICASTER™ OPERATOR

With the flexibility to produce and deliver live video and graphics, the sole operator has more control over transitioned elements. Showcase pre-produced videos, sponsor logos and commercials with preset and custom transitions at your fingertips. You can even stream your production to the web and instantly post to social media.*

*Select TriCaster models only. Internet connection required.

“We practiced after school in our press box to get our synchs and replay timing figured out. It is pretty easy. Just being up here and being part of our production team during a game is fun. Since 10th grade, I’ve dreamed of getting into computer animation. Having this experience just makes me know that’s what I want to pursue in college.”

*Brian Zimmer
High School Senior
Harrisburg High School
Harrisburg, South Dakota*

DISPLAY FEATURES

- › Announcements
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › DVD player included



TRICASTER

TWO PERSON CREW

› SHOW CONTROL OPERATOR

› CAMERA OPERATOR

The Show Control operator is located in a control room while the camera operator captures the action on the field or court as well as other event footage and conducting player interviews.

“Students can take different levels of television and radio production classes through all four years of high school. The advanced classes work with our Daktronics video display. Those who help out with the display are about as involved with the team as the players and coaches. We’ve actually started awarding letter jackets to the students who get really involved.”

Randy Young
Teacher
Thomas Co. Central High School
Thomasville, Georgia

DISPLAY FEATURES

- › Announcements
- › Statistics
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › Live in-game action (no preview prior to display)



SHOW CONTROL

VIDEO CAMERA

ALTERNATE TWO PERSON CREW

› TRICASTER OPERATOR

› CAMERA OPERATOR

The TriCaster operator directs the content shown on the video display from the control room while the camera operator captures the action on the field or court.

“We use our stadium security cameras for our track meets. The two cameras on the press box and one on the scoreboard are hooked up to the TriCaster. Currently the only live action shots we do are for track replays. Our main use of the video board is for advertising and promoting our 26 programs.”

*Ted Wacht
Urbandale High School
Activities Department
Urbandale, Iowa*

DISPLAY FEATURES

- › Announcements
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › DVD player included
- › Live in-game action (preview prior to display)



VIDEO CAMERA

TRICASTER

THREE PERSON CREW

- › **TRICASTER OPERATOR**
- › **CAMERA OPERATOR**
- › **REPLAY OPERATOR**

The TriCaster and replay operator provide fans instant replays captured by the camera operator, showcasing the best moments of the game.

"I love working the replay keyboard. I can dial the replay in slow or high speed. Watching it on the big screen and hearing the fans react to what I just did is really cool. I'm not a big football fan, but being up in the press box is a lot of fun."

*Chelsey McGraw
High School Senior
Harrisburg High School
Harrisburg, South Dakota*

DISPLAY FEATURES

- › Announcements
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › DVD player included
- › Live in-game action (preview prior to display)
- › Instant replay



FOUR – FIVE PERSON CREW

- › **SHOW CONTROL OPERATOR**
- › **TRICASTER OPERATOR**
- › **CAMERA OPERATORS**
- › **REPLAY OPERATOR**

Adding more camera angles enhances the event by providing multiple replay angles and more flexibility for live footage. Additional cameras catch every moment of the game while the other operators manage production from the control room.

“Students learn how to troubleshoot, problem solve, think critically and work with deadlines. They also learn how to say ‘no’ to unreasonable requests, which is something that is sometimes hard to do.”

*Pam Baker
Teacher
Lakeland High School
Lakeland, Florida*

DISPLAY FEATURES

- › Announcements
- › Statistics
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › DVD player included
- › Live in-game action (preview prior to display)
- › Instant replay
- › Up to two camera feeds



SIX – SEVEN PERSON CREW

- › **SHOW CONTROL OPERATOR**
- › **TRICASTER OPERATOR**
- › **CAMERA OPERATORS**
- › **REPLAY OPERATOR**
- › **PRODUCER**

Adding a dedicated producer enables the other operators to focus on their task while the producer gives verbal cues for precise timing and organization of the production.

“The video display is a huge motivational and learning tool. Students love seeing their projects on the display for everyone to enjoy. After one season, we realize we can achieve our goal of 100% student operation and production. We are considering moving our equipment out of the press box to produce game and theatre performance videos to sell.”

*Eric Smith
Technology Director
Maysville High School
Maysville, Ohio*

DISPLAY FEATURES

- › Announcements
- › Statistics
- › Pre-recorded video with audio
- › Graphics & animations with audio
- › DVD player included
- › Live in-game action (preview prior to display)
- › Instant replay
- › Up to four camera feeds
- › Additional coordination among multiple cameras

INSTANT REPLAY
monitor is included when more than one video camera is ordered

PRODUCER

SHOW CONTROL



TRICASTER

UP TO 4 VIDEO CAMERAS

EXPAND YOUR SCHOOL CURRICULUM

› VIDEO DISPLAY MANAGEMENT

› CONTENT CREATION

Installing a video display will not only showcase your student athletes, but provide opportunities for those students active in the fine arts and academic clubs. A video display makes it possible for you to add exciting additions to your curriculum, including digital content creation, hands-on learning, and display operation.

With a video display on campus, you can challenge your design and multimedia students to produce videos, animations, graphics, and advertisements to be viewed during events. Other hands-on experiences include operating cameras, running instant replays, displaying graphics, and controlling the video switcher during stadium events.



"Our students are operating displays for public events, gaining experience in real-life situations and how to think on their feet. It is a higher order thinking and problem solving that cannot be measured in a classroom setting."

*Virgil Felt
Communications Instructor
Redwood Valley High School*



CREATIVE OPPORTUNITIES

A video display needs fresh content. Students in animation and interactive design classes can hone their skills in Photoshop, Illustrator, and Premier software by creating messages for the display. And a much wider audience will see and appreciate the still graphics, animations, and video clips they create.

JOURNALISM OPPORTUNITIES

Using a video display to showcase school and community events opens up first-hand experiences for media production students. They will learn about running production for events and put their writing, shooting, editing, reporting, and directing skills to use.

"Our students benefit by having full access to planning, directing, filming, editing, and managing the technology of the scoreboard through our academic studio class offerings and additional extra-curricular opportunities."

*Jeff Marshall
Athletic & Activities Director
Burnsville High School*



INDOOR CONTROL ROOM

- › SHOW CONTROL OPERATOR
- › TRICASTER OPERATOR
- › CAMERA OPERATOR

A three-person control room for indoor sports ideally uses a booth located at center court with windows for easy viewing. In facilities where a booth is not available, the control room may be located on a platform or in an adjacent room. Line of sight to the video display is not necessary for operation.

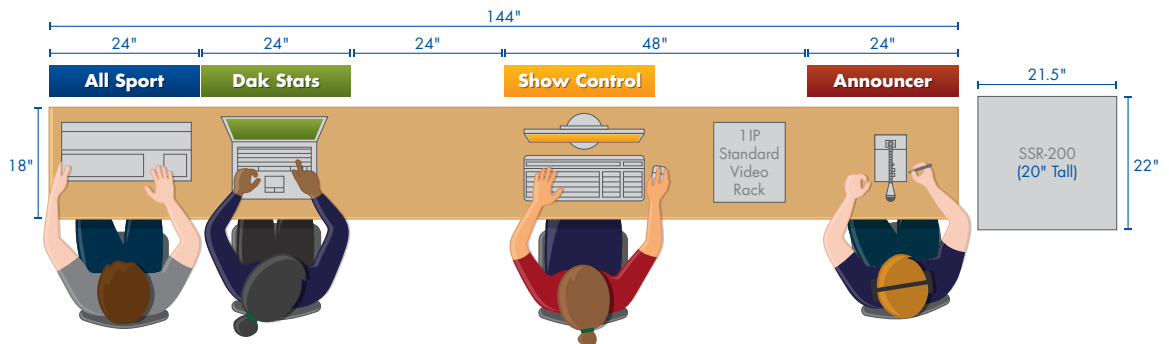
“We try to encourage sportsmanship, responsibility and respect. All video files and camera work as well as video board work is run by students whenever possible, so these are important and huge lessons to learn and model. This is a very public venue. What is presented on the video board can encourage—lead in a positive manner—or discourage and incite poor behavior. Our students work very hard for the former.”

*Deb Fredrickson
Message Board Director
Watertown High School
Watertown, South Dakota*



POSSIBLE CONTROL ROOM LAYOUT

This is only an example layout. Setups may vary depending on features desired and number of operators.



OUTDOOR CONTROL ROOM

- › SHOW CONTROL OPERATOR
- › REPLAY OPERATOR
- › TRICASTER OPERATOR
- › PRODUCER
- › CAMERA OPERATOR

A five-person control room for outdoor sports is typically part of the press box, located at mid-field with windows for easy viewing. In stadiums where a press box is not available, the control room may be located in any room of the facility. Line of sight to the video display is not required for operation.

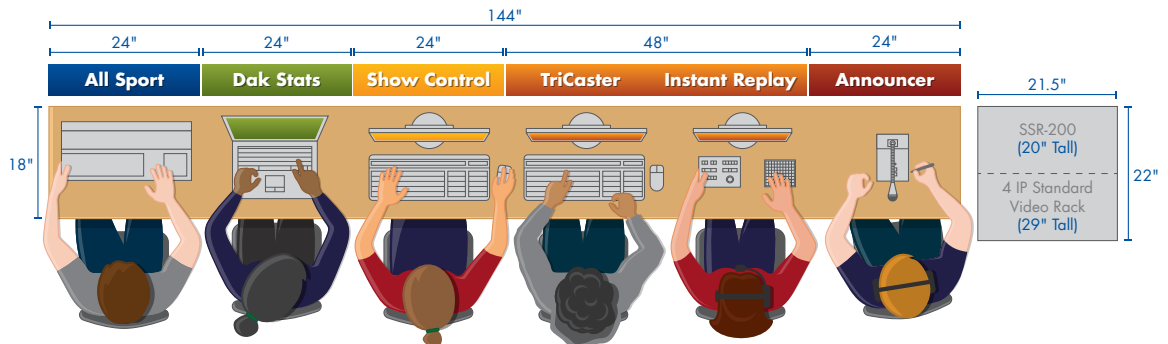


“We use our video display to show our appreciation to past sponsors along with selling ads to current sponsors. The additional financial stream is important to our program. Our students are involved in seeing how an advertising video is made and they create the still ads themselves. We have fun customizing the ads like the Chinese restaurant’s satisfied customer opening a fortune cookie that says ‘It’s a great day to be a Bulldog.’”

*Boyd Bjorkquist
Athletic Director
North Bend High School
North Bend, Oregon*

POSSIBLE CONTROL ROOM LAYOUT

This is only an example layout. Setups may vary depending on features desired and number of operators.





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