Display Systems
A wide variety of display systems are located within this stadium. Displays range from HD-SDI monitors and LCD flat panels, to LED scoreboard and displays, and large-screen projectors. All displays must accommodate 1080p and 1920x1200 signal resolutions.

Video Formats and Connectivity
HD-SDI is the predominant signal format distributed throughout this facility. However, many other signals including DVI, composite, and component video are also represented within the various systems. Main locations have direct connection to the routing system, which also accommodates a large number of auxiliary patch locations for alternate camera placement and other usage. An IPTV system is used to support the hundreds of flat-panel displays situated within concourses, concession, and seating areas.

Switching and Signal Management
An Extron FOX Matrix 7200 72x72 Fiber Optic Matrix Switcher is used as the main routing switcher within the system. The fiber I/O boards are capable of routing any signal format via Extron FOX and FOXBOX Series Fiber Optic Transmitters and Receivers. The matrix is also populated with HD-SDI boards to allow for direct connection of input and output HD-SDI signals to other devices in close proximity, such as a large HD-SDI router and one of the in-house editing suites.

An Extron DMS 3600 36x36 DVI Matrix Switcher is utilized for routing high resolution computer graphics from signal processing equipment and PCs in administrative areas for use within the main system, boardroom, and conference rooms.

Signal Distribution and Extension
A fiber optic infrastructure is used to transport video signals to and from the equipment room, addressing the need to send video signals over very long distances and through narrow conduit. Extron FOX 3G HD-SDI fiber optic transceivers transmit the HD-SDI output signals of the cameras to the equipment room and receive the video signals from the control room via the FOX Matrix 7200.

Extron PowerCage FOX DVI Plus fiber optic transmitters and receivers are used within the equipment room. The PowerCage FOX DVI Plus boards provide a compact, space-saving solution for efficiently mounting fiber optic extenders within an equipment rack.

Video Signal Processing
The Extron DVC 501 SD converts the HD-SDI live broadcast signals from the professional mixer and switcher to a DVI-D video signal, for compatibility with the DVI matrix switcher residing in the equipment room.