

## West Gate Bridge – Australia

### West Gate Bridge Introduction

The West Gate Bridge is one of Australia's largest cable-stayed box girder bridges. The West Gate Bridge is located in Melbourne, Victoria, Australia. The West Gate Bridge spans the Yarra River, just north of its mouth into Port Phillip. It is a vital link between the inner city and Melbourne's western suburbs with the industrial suburbs in the west and with the city of Geelong, 80 kilometres (50 miles) to the south-west. Before the bridge was built, access to the city of Melbourne and suburbs to the east was possible only by travelling the old Geelong Road. Used by thousands of commuters daily, the journey from the entrance to exit, including approach roads, covers 5.6 kilometres (3.5 miles).

The main river span is 336 metres (1,102 ft) in length. The height above the water is 58 metres (190 ft). The total length of the bridge is 2,582.6 metres (8,473.1 ft). The West Gate Bridge is the third longest in Australia behind the Houghton Highway and the Hornibrook Bridge, and is twice as long as the Sydney Harbour Bridge.

### Remote Surveillance Over a Fiber

The N3731TA-M receives video from the PTZ dome camera at the West Gate Bridge and transmits it to the West Gate Bridge Depot via fiber. The N3731RA-R at the West Gate Bridge Depot receives the video. The video is then sent over for local monitoring at the West Gate Bridge Depot. Meanwhile, all videos received from the bridge are distributed to the N3790TA-16-D-R for transmission over a single fiber to Melbourne City for remote monitoring. At Melbourne City, the N3790RA-16-D-R is used to receive the videos. At the same time, the N3790RA-16-D-R transmits via fiber PTZ control data to the front-end domes. It allows duty officers in the city to view and control the PTZ control function of the cameras located in the bridge.

The fiber optic products allows for the cameras on the bridge and depot/Melbourne City to be linked together. As the bridge is a vital link between the city and the western suburbs, the surveillance is critical for the duty officers to maintain smooth flowing traffic and react immediately in the event of a crisis on the bridge.

The Infinova equipment that is used is as follows:

N3731TA-M  
N3731RA-R  
N3790TA-16-D-R  
N3790RA-16-D-R  
N3910-18S1



### Infinova Fiber Optics Product Advantages

Infinova's fiber optic product advantages are the industry's highest optical budget, widest optical dynamic range, highest racking density and high reconfiguration.

#### Features

NTSC, PAL, and SECAM compatible  
RS-422, RS-485, Manchester / Biphase supported  
Immune to EMI and RFI  
Dense structure for easy installation  
Hot swappable rack mount cards  
Automatic re-settable fuses, short circuit protection

## **About Infinova**

Infinova is a manufacturer of complete analog and network security surveillance products that deliver the highest value to customers with the cutting edge technology. Included in Infinova's product lines are cameras, DVRs, NVRs, matrix switchers, fiber optic transceivers, access control, and management software. Learn more at [www.infinova.com](http://www.infinova.com).