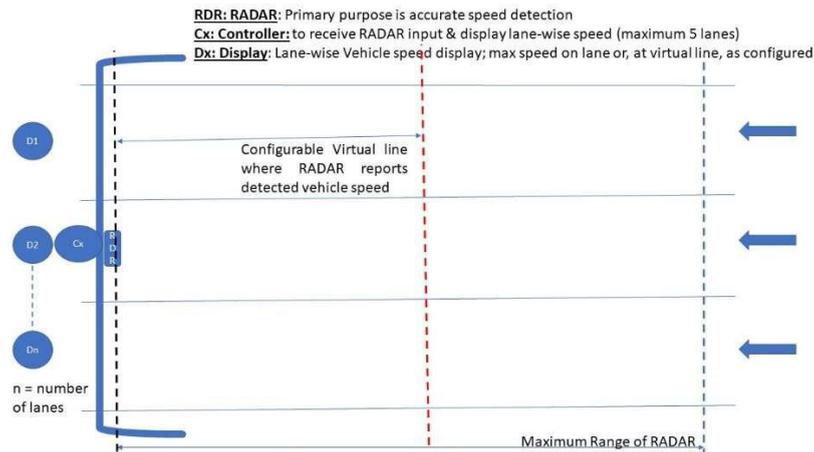


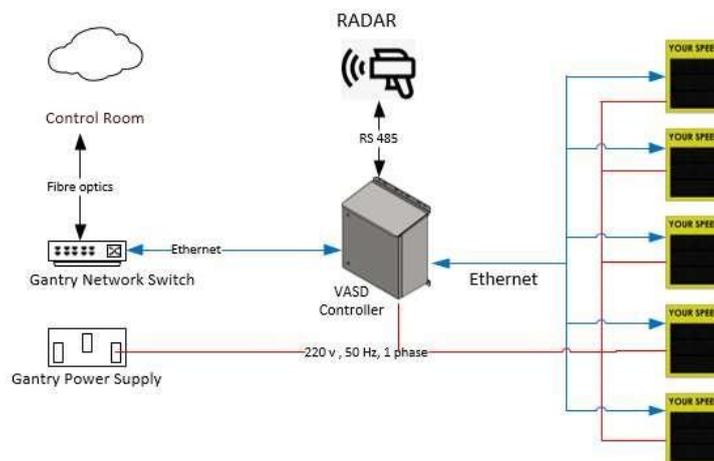
VEHICLE ACTUATED SPEED DISPLAY

Vehicle Actuated Speed Display consists of an edge controller, a RADAR and multiple speed displays. The VASD Controller is meant for interfacing to a RADAR and displaying lane-wise speed on respective Speed displays – all mounted on a Gantry facing incoming traffic. This controller shall receive raw data from the interfaced RADAR and display lane-wise speed on the Speed Display Units (maximum 5 numbers/lanes) as per Project specific Class and speed limit definitions. The VASD Controller shall also send time-stamped data to the associated Control Centre for further processing. The Controller is designed to interface to any type of RADAR and Speed Display over Ethernet/RS 485.



VASD Controller is connected on a Gantry as indicated in figure.

- AC Power Input Connector – 3 Core Power Cable (Voltage range 220V, 50 Hz, 1 phase AC)
- RADAR input over RS-485. The VASD Controller cabinet has a RS-485 to Ethernet Converter
- Output to Speed Displays over Ethernet RJ45: maximum upto 5 displays
- Output to external network switch which allows connection to associated Control Room over fibre-optic cable.



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Technical Specifications

Mechanical Dimensions	Specifications
Cabinet Size	400 mm (L) x 400 mm (H) x 200 mm (D) (Approx.)
Material	MS (Powder Coated)
Mounting Arrangement	Gantry Mounted / Stand Mounted

Electrical Parameter	Specifications
Operating Voltage	220 V, 1 phase, 50 Hz AC
Power consumption	120 W
Protection	Short Circuit, Overload, Overvoltage, ESD

Functionality Parameter	Specifications/Description
Operating Temperature	-20°C to +80°C
IP Protection Rating	IP65
Communication protocol	Ethernet and RS 485
CPU	Quad Core ARM A57
Memory	SDCARD 64 GB, Class 10
OS	Linux
Connectivity	10/100/1000 BASE-T ETHERNET

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