For further information on the
ROMDAS road measurement system
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ROMDAS
Manufactured by
Data Collection Ltd.
New Zealand

*providers of innovative technology for
measuring and managing roads*

# ROMDAS
# Video Logging Modules

## Features

The ROMDAS® video logging units include both Right Of Way (ROW) and pavement view cameras. The system allows for distance-based capture which can be defined by the user or continuous image capture. Images are viewable in real time during data collection so quality and aspect can be constantly monitored.

**Customisable Image Overlay**

ROMDAS® features the option to overlay a range of data onto the recorded image. This video overlay has contrasting field labels and data that can be set in any font, size and colour for maximum readability and contrast between the text and the overlay. The ROMDAS® video overlay is positioned above the video image so that no part of the image is obscured.

## Upgrade Options

**Multiple Camera Upgrade**

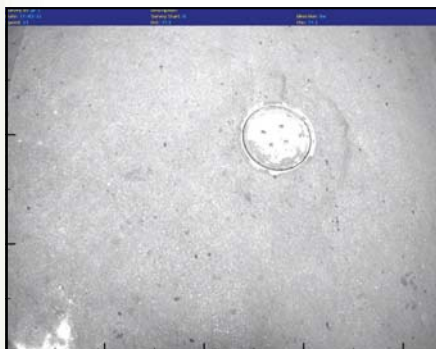Additional ROW or Pavement View cameras can be purchased to increase the range and scope of video logging surveys.

**ROMDAS DataView Software**

DataView has been specifically designed for advanced data integration and processing. The video rating feature allows users to register condition or event ratings to each image during post processing in the office.
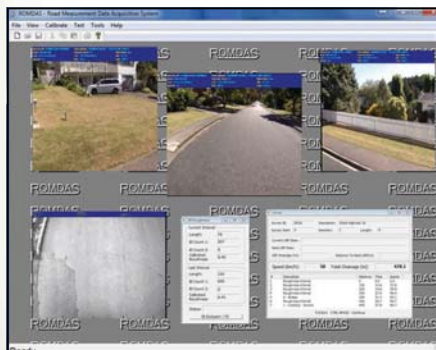
## Right Of Way (ROW)



## Pavement View



## Integrate Multiple Cameras

# ROMDAS
# Video Logging Modules

## Operation

During a survey, ROMDAS® records the distance travelled and this is used to trigger when an image is recorded. The trigger distance can be defined by the operator before beginning the survey. The operator can also record data, such as condition or roadside event ratings, during the survey by using the KeyCode system built into the ROMDAS software.

Any or all of the following data can be displayed on the video overlays;

⇒ Road description and identifier;

⇒ Location reference point (LRP) data;

⇒ Survey date;

⇒ GPS position;

⇒ Speed and chainage;

⇒ Raw or calibration roughness data;

⇒ KeyCode events and ratings

## Components

The ROW & Pavement View modules include the following components;

♦ Gigabit Ethernet progressive scan digital DCAM format camera;

♦ Gigabit Ethernet cables;

♦ Environmentally protected camera housing;

♦ External roof mounting.

Both ROW & Pavement View video footage are produced in standard AVI file formats. They can be viewed as stand-alone video in Windows Media Player, Quicktime, VLC or any other compatible players. Alternatively, the videos can be imported into applications like DataView or H.I.M.S Asset Management software and integrated with other data.

## Technical Specifications

| Resolution & Frame Rate | *ROW Standard (2 MP):* 1600 x 1200 at 25 FPS |
| --- | --- |
| | *Pavement Standard (5 MP):* 2448 x 2048 at 18 FPS (Mono) |
| Frame Capture Rate | Cameras are software configurable (depending on camera/application) |
| File Format | AVI File (compressed) |
| Camera Connection Format | Gigabit Ethernet (GigE) |
| Number of Cameras | Up to 6 |