

# BACKUP CAMERA SYSTEM THREE CAMERA SETUP WITH MV1 CAMERAS

RVS - MV3077N

REAR VIEW  
**SAFETY**  
A Safe Fleet Brand



This system is complete with a crystal clear color 7" LED Digital Panel Monitor with distance grid lines, two (2) MV1 Side Cameras with 170° viewing angle, one (1) MV1 Backup Camera with 170° viewing angle and all the wires, connectors and mounts you will need. The system is completely weatherproof with an IP68 rating, strong and reliable, shock resistant and comes with a full year warranty.

System can be upgraded to the Quad View Monitor where multiple cameras can be viewed simultaneously.

# BACKUP CAMERA SYSTEM

## THREE CAMERA SETUP WITH MV1 CAMERAS

### RVS - MV3077N

**REAR VIEW SAFETY**  
A Safe Fleet Brand

- COMPLETELY WEATHERPROOF WITH AN IP68 RATING
- 7" LED DIGITAL PANEL COLOR MONITOR WITH REMOVABLE SUNSHADE
- 2.1 MM CMOS COLOR CAMERA WITH A 170° VIEWING ANGLE
- 2.1 MM CMOS COLOR SIDE CAMERAS WITH A 170° VIEWING ANGLE
- SHOCK RESISTANT WITH A 10G VIBRATION AND 100G IMPACT RATING



## MONITOR

TYPE	LED DIGITAL PANEL
SCREEN SIZE	7"
DOT RESOLUTION	800 X 3 (RGB) X 480
DISPLAY FORMAT/CONTRAST	16:09 / 500:01:00
DISPLAY BRIGHTNESS	400CD/m <sup>2</sup>
VIEWING ANGLE	U:50° D:60° L/R:70°
VIDEO INPUT	3 CHANNEL CVBS
VIDEO SOURCE	1VP-P, 75Ω
POWER SUPPLY	DC 9V-32V
POWER CONSUMPTION	5W
AUDIO OUTPUT	0.5W SPEAKER
OPERATING TEMPERATURE	-20°C ~ +70° C
STORAGE TEMPERATURE	-30°C ~ +85°C
VIDEO SYSTEM	AUTO NTSC/PAL
OVERALL DIMENSIONS	7" (L) X 5.25" (H) X 1" (D)
WEIGHT	400G
IMPACT RATING	5G
DOT PITCH	0.1926 (H) X 0.1710 (V)
ACTIVE AREA	154.08(H) X 85.92(V) MM
SYNC SYSTEM	INTERNAL

## CAMERA

CAMERA	MTV9V139
SENSOR FORMAT	728 (H) X 560 (V)
PICTURE ELEMENTS	307,200 PIXELS
GAMMA CORRECTION	R = 0.45 TO 1.0
IMAGE SENSOR	480 TV LINES, PAL : 720 (H) X 576 (V) NTSC : 720 (H) X 480 (V)
OPTICAL FORMAT	1/4 INCH
LENS	2.1 MM
VIEW ANGLE	170°
SYNC SYSTEM	INTERNAL SYNCHRONIZATION
NIGHT VISION	YES
USABLE ILLUMINATION	0.5 LUX
POWER SOURCE	DC 9V-32V
S/N RATIO	MORE THAN 48DB
ELECTRONIC IRIS	1/50, 160-1/100,000 SEC
VIDEO OUTPUT	1VP-P, 75Ω
IR SWITCH CONTROL	CDS AUTOMATIC CONTROL
IMPACT RATING	10G
OPERATING TEMPERATURE	-40 °C ~ +50 °C / RH 95% MAX
STORAGE TEMPERATURE	-40 °C ~ +50 °C / RH 95% MAX

**QUICK FACT**

Compact cameras mount flush against vehicle

**STRONG**

System usually outlives the vehicles they are mounted on

**3h**

Installation Time: 3 hour

**170° Viewing Angle**

Ultra wide angle



**IP68 Rating**  
Protected against complete, continuous submersion in water



**Mounts Flush Against Vehicle**



**Compact Design**  
Less than an inch in length, width and depth

**Night Vision**  
With very little ambient light provides a great picture at night

### MV1 BACKUP CAMERA

The MV1 Backup Camera is built with an MT9V139 sensor and a lens with an ultra wide viewing angle of 170°. It's tiny size (less than an inch long, wide and deep) makes it ideal for smaller vehicles and allows its installation to be virtually invisible. It mounts flush against the vehicle and with an IP68 rating is fit to operate in almost all weather conditions.

**Auto Dimming**  
Screen dims in low light



**Super Sharp Digital Image**



**LED Digital Panel**  
Just one inch thin



**Removable Sunshade**

**Distance Grid Lines**  
Optional: can be switched on or off

**Built In Speaker**

**Back-lit Buttons**  
Buttons illuminate in the dark

### WIDESCREEN MONITOR

Our 7" LED Digital Panel Monitor comes with a Super Sharp Digital Display and a pixel resolution of 800 X 3(RGB) x 480. The distance grid lines that come standard with these monitors are optional and adjustable. It has built-in speakers and its menu can be navigated with the on dash buttons or with the remote which comes included.

**Video Out**  
Can send all video feeds to external monitor or DVR



**9-32 volts**



**3 Trigger**  
Separate trigger for each camera



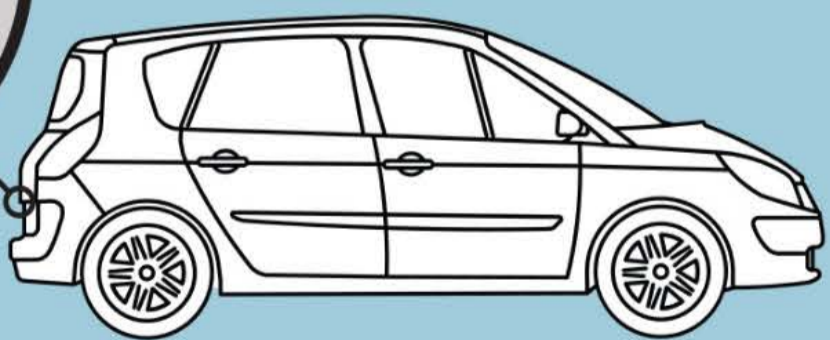
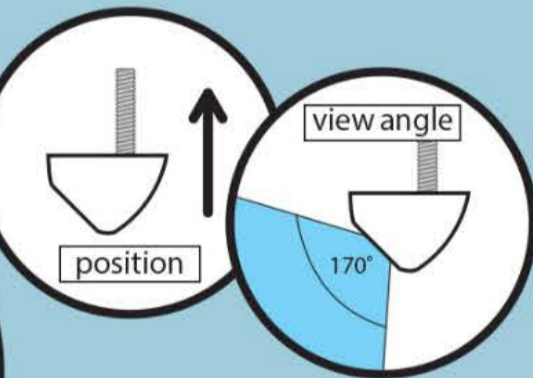
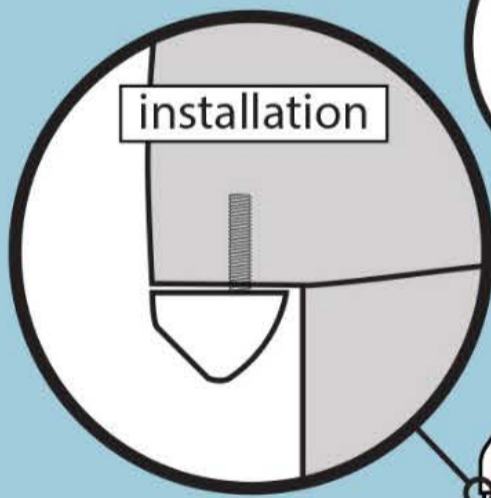
**Mirror/Normal Switch**  
Swaps camera view between mirror & normal (select cameras only)

**Brushed Aluminium**

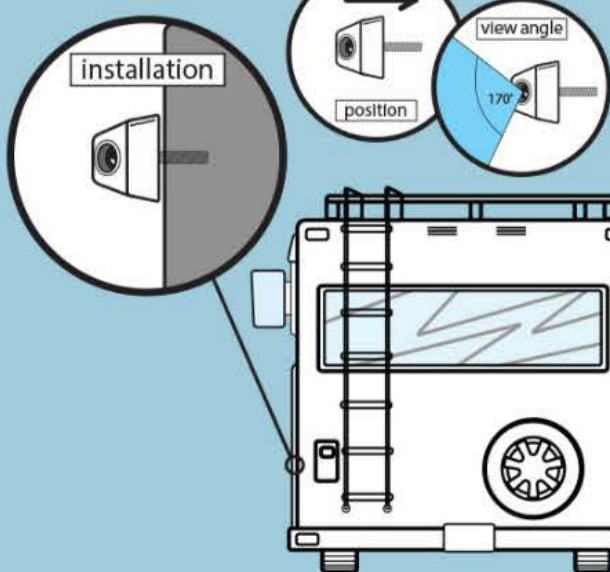
**3 Channel**  
Can connect up to 3 cameras

### MULTIPLEXER AND SYSTEM

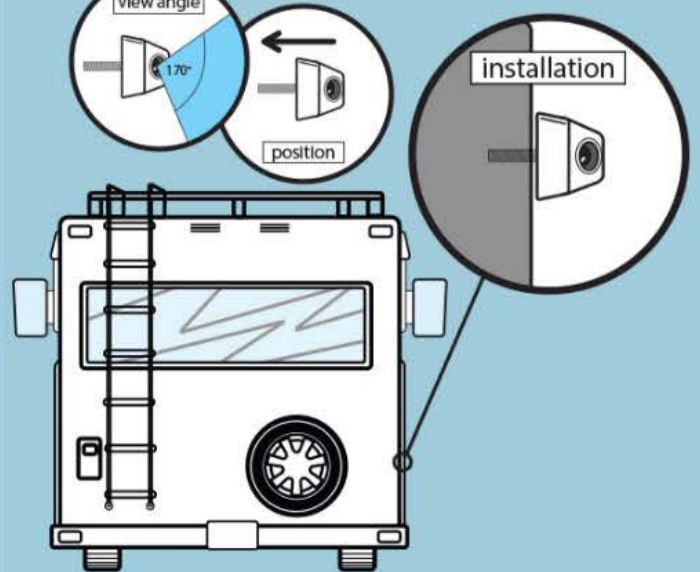
The control unit or "brains of our system is what we call the multiplexer. It powers our system, receives all camera feeds and sends them to the monitor. Its three inputs allow for multiple camera connection. This multiplexer connects straight to the fuse box, handles 9-32 volts and comes with a separate trigger wire for each camera connected.



Mounting Position - RVS-MV1



Mounting Position - RVS-MV1L



Mounting Position - RVS-MV1R