**IP69K CCD Commercial Camera
with Night Vision**
User Manual

ECHOMASTER

Introduction

Thank you for purchasing your EchoMaster automotive camera.

The following part numbers are supported:
▶ **CAM-IP6M-P** ▶ **CAM-IP6M-N**

EchoMaster cameras are designed to improve safety during driving by providing high quality images of surrounding areas and obstacles in the vicinity of the vehicle. They will also improve vehicle maneuvering capability by displaying blind spots not normally visible to the driver.

Please ensure you read and understand all aspects of this manual before fitting or using your EchoMaster Camera. Choose a suitable mounting place dependent on the application. Ensure that there are no wiring harnesses or hoses/pipes located behind this panel before drilling.
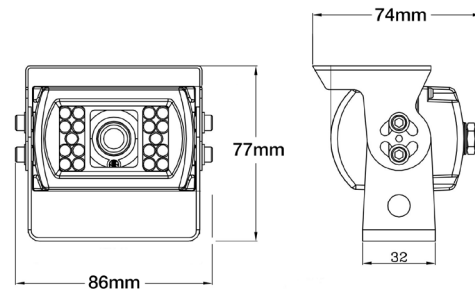
Key Features

▶ 1/4" CCD Sensor
▶ Operates at 0.5 LUX
▶ 18 IR LEDs
▶ IP69 Rated
▶ 120 Degree Viewing Angle
▶ Mirror Image

Box Contents

▶ Camera
▶ Bracket
▶ Manual
▶ GX16-RCA Adapter Cable

Dimensions

74mm

77mm

86mm

32

Specifications

	CAM-IP6M-P	CAM-IP6M-N
Sensor	1/4" CCD	
LEDs	18	
Illumination	0.5 LUX	
Viewing Angle	120 degrees	
Mirror Image	Yes	
Normal Image	No	
Water/Debris-Proof	IP69K	
Audio	NO	
Power Supply	12V DC	
Current	<250mA	
Working Temperature	-20°C - +70°C	
Dimensions (mm)	D (74) x W (86) x H (77)	
System	PAL	NTSC
TV Lines	480	420
Resolution (HxV)	512 x 582	648 x 488

Wiring Diagram & Pin Out

POWER +12V

VIDEO

1 4
2 3

GROUND

AUDIO

VIDEO

GND

+12V

Extension Harness (Not Supplied)