



Nvis Technologies Infrared module, MC12 is an extension module for Nvis Microcontroller development platforms. The object is to have a clear understanding of how Infrared device can be interfaced and controlled with Microcontroller. Infrared module, MC12 has input and output terminals for connection of external real world applications.

Features

- ▶ **Infrared Sensor interface**
- ▶ **PC based programming**
- ▶ **Expansion connectors for plug in with Microcontroller unit and prototyping area**
- ▶ **Every pin is marked in order to make work easier**
- ▶ **Input/output & test points provided on board**
- ▶ **Exhaustive Learning Material**
- ▶ **2 Year Warranty**

Note :

1. This module is compatible with Nvis NV50XX series.
2. To run MC12 experiments, MC10 module is required.

Scope of Learning

- ▶ Study of Wireless infrared communication technology
- ▶ Data transfer from Microcontroller to PC using infrared
- ▶ Data transfer from Microcontroller to Microcontroller using infrared

Technical Specifications

Infrared Transmitter	: IR LED
Infrared Receiver	: Direct TTL output
PC communication	: RS232
Baud rate	: 2400 bps
Carrier Frequency	: 38 KHz
Power Supply	: From Microcontroller development platform NV50XX series
Interface	: 20 pin FRC cable
Test point	: 2 nos (Gold plated)
Dimension (mm)	: W 255 X D 155 X H 80
Weight	: 280 gm (approx.)
Learning Material	: CD (Theory, procedure, reference results, etc), Online (optional)

Included Accessories :

Patch cord	: 3 nos.
Serial cable	: DB 9
Learning material CD	: 1 no.

Designed & Manufactured by :

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