

CCD camera for Infrared Reflectography

MICRO IR10
cod: MAIRD004.1


Applications

The CCD camera MICRO IR10 is an essential instrument for non-destructive analysis of paintings. Thanks to its high performance CCD sensor, it can show the surface of the ground layer of ancient paintings, hidden by the paint layers. It is possible to see underlying elements such as:

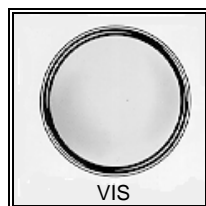
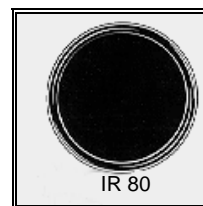
- **preparing drawing**
- **"pentimenti"**
- **restoration intervention**

The equipment is very easy to use, and anyone can obtain extraordinary results. By means of two different filters it is possible to make a direct comparison between the visible and the infrared image.


Visible Image

Infrared Image

Filters

cod: see below

VIS: visible filter (400÷720 nm)

IR80: Infrared filter (720÷1100 nm)

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UNI EN ISO 9001:2008
 UNI EN ISO 13485:2004

KIT*Standard Kit MIR10**code: MAIRD001.1*

- MICRO IR10 Camera with objective
 - Infrared filter
 - Visible filter
 - 9" Monitor
- Metal case (30x30x30 cm)

Imaging processing

By PC and software it is possible to elaborate images after digitalisation

Print

You can print directly your images through equipments such as video-printer, laser printer or palette

Accessories (not included)

Imaging digitalisation system: USB video capture

Imaging processing Software

TECHNICAL FEATURES

Power supply	220/110 Vac 50 Hz
Camera range	400÷1100 nm
Vis filter range	400÷720 nm
IR filter range	720÷1100 nm
Resolution	>600 linee orizzontali
Pixel	473.000 pixel
Objective	12 mm, f 1.3
Video Output	Video Composite PAL
Camera dimensions	10x7x7 cm
Camera weight	1 kg
Kit weight	3 kg / 10 kg

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