

ТЕХНИЧЕСКА СПЕЦИФИКАЦИЯ
НА АПАРАТ ЗА ПРОВЕРКА ЗА ИСТИННОСТ
НА БАНКНОТИ И МОНЕТИ

High resolution IR digital colour camera

Colour IR digital camera with high IR sensibility, spectral range 350 nm - 1000 nm,

integration up to 12 seconds for weak luminescences, predefined camera parameters for individual selection of light.

Optics/Magnification 16x Zoom objective, motorized, autofocus, magnification range from 2x up to 95x on 21" TFT monitor, monitor resolution 1600x1200 pixel Field of view 182x136 mm with lowest magnification

Touch screen: High resolution coloured touch screen, dimensions 117x87 mm

Light sources:

Ultraviolet

2x9 Watt UV lamp, 365 nm

2x9 Watt UV lamp, 313 nm

2x9 Watt UV lamp, 254 nm

Transmitted light UV, IR

UV: 2x9 Watt, 365 nm

IR: 2x50 Watt lamp, adjustable

Side light (EPI L+R), visual/IR 2x50 Watt lamp, variable intensity control, light angle adjustable

Retro light (RETRO) 1x450 Watt light source, coaxial

IR Light 2x50 Watt IR light source, adjustable IR Luminescence (blue light)

1x250 Watt halogene illumination with condensor unit, adjustable Transmitted light Spot

1x50 Watt light source, adjustable

White light

2x50 Watt light source, adjustable IR980 nm

Laser diode for examination of anti-stoke Inks

LED Ring light

LED ring light illumination, automatic or manual, for special holograms and kinegrams

Excitation filter module

Motorised filter selection, 83 filter combinations of various wave-lengths from 380–720 nm and bandwidths from 5–340 nm (according to combination).

Camera barrier filter module

Motorised, filter values: 350–1100,

350-680, 570, 590, 610, 630, 645, 665,

695, 715, 735, 780, 830, 850, 1000 nm.

Remote control:

System operation via PC and software

Computer system:

The perfect system for image archiving, report generation and creation of training material, etc., consisting of the following minimum configuration: Intel Pentium IV or AMD processor, Windows XP Pro, 21" TFT flat screen

Software:

– Image comparison: superposition, split image, complementary colours

– Image enhancement functions

– Image inserts

– Measuring applications: length, area, angle, diameter, etc.

– Album, Image management

– Camera and Colour set-up, presetting

– ICAO Codes verification and detection of hidden information (IPI) via Software.

– Spectroscopy for measuring spectra in absorption, reflection and fluorescence

– Colorimetry: L*a*b* / CIE colours

Optional Accessories

Colour Spectroscopy Module

Miniature fibre optics spectrometer with USB connection, fibre diameter 100 microns, resolution 6.4 nm, grating bandwidth 380-900 nm

Magnetic Ink Visualization