



# DORS 1200

## Universal viewing detector

### Function

**DORS 1200** is designed for comprehensive visual authenticity control of banknotes and other security printing documents.

Depending on options arrangement DORS 1200 performs up to 11 types of control.



### Distinctive features

- high functionality perfectly goes together with ease of use;
- ultraviolet control and infrared control can be performed simultaneously without switching modes;
- DORS 1200 has exclusively functional ergonomic design and compact dimensions;
- detector is equipped with high-contrast colour LCD TFT-monitor 3,5" (8,9cm) and sensor control panel with light-emitting diode indicators of enabled functions;
- adjustable monitor parameters of image brightness and contrast;
- all functions of detector DORS 1200 are derived on the control panel with corresponding buttons, hierarchical menu is not used.

### Connecting additional devices

- DORS 10 - optical magnifier with built-in White lighting with magnification 10x;
- DORS 15 - magnetic/Infrared marks visualizer;
- DORS 1010 - television magnifier with built-in IR and White lighting;
- DORS 1020 - television magnifier with built-in UV, IR and White lighting;
- any PAL standard video signal source (security camera etc.)

### Types of control

Infrared control: verification of shape and location of images made by IR metamerik inks.

Ultraviolet control: absence of general luminescent background, presence of luminescent areas (marks, fibers, image fragments).

Transmission IR-control: verification of watermarks and metallized security threads, viewing their contrast image on the detector monitor.

Special "M"-mark control: due to the two-band IR-lighting mode.

Reflected oblique white light control: printing types and methods, optically variable inks, latent images, security holograms.

Transmitted white light control: watermarks, metallized security threads, microperforation, matching images of face and reverse side.

Size control: banknote size; spacing between security marks;

Magnetic control (with DORS 15): visualizing of special protective texts, marks and images made by ferromagnetic inks;

Reflected oblique white light control with magnification 10x (with DORS 10, DORS 1010, DORS 1020): detailed investigation of printing types and methods, micro printing, printing defects and possible erasures;

Infrared control with magnification 10x (with DORS 1010, DORS 1020).

Ultraviolet control with magnification 10x (with DORS 1020).

### Technical specification

Monitor	colour 3.5" (8.9 cm) LCD TFT-monitor
Upper lighting	two-band IR (940/850 nm); UV tubes 2x4W; white LED
Bottom lighting	4 W
Millimeter scale	yes
Connecting additional devices	1 video input for DORS 1020 or DORS 1010; 1 input for DORS 10 or DORS 15
Power Supply	110 - 220 V
Power Consumption	approx. 22 W
Dimensions (WxDxH)	234x152x224
Net Weight	1.13 kg

