

MATRIX *E3* dition

UNLIMITED POSSIBILITIES - UNBEATABLE FEATURES
The Ultimate Documentation Platform

One System for any Purpose

MATRIX *E3*

Portable D
Mobile worki

Userfriendly Interface
Touchscreen with intuitive icon control

Maximum Features
in combination with SNK and Revolver 80

Precise Joystick Control
for SNK and Revolver 80



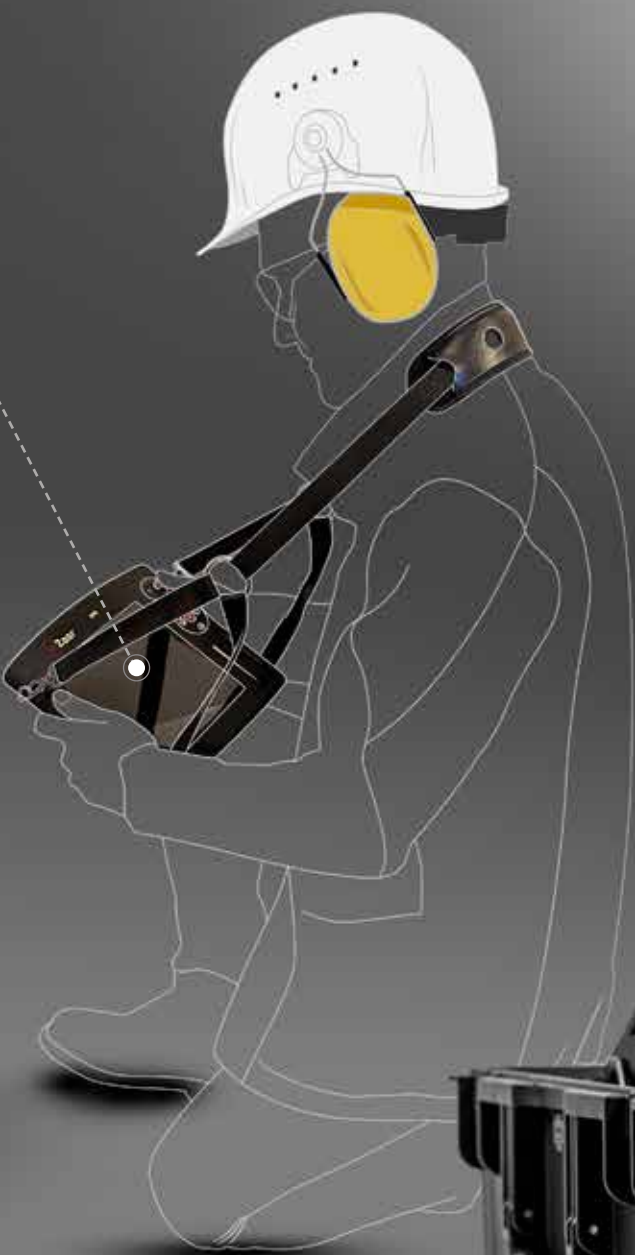
Best Comfort for Transportation
Waterproof case with hight-adjustable handle and rubber wheels for maximum mobility with a total weight of no more than 11.9 kg!

Realtime Documentation
Add your comments directly to the inspection image via text generator

Unmatched Connection Versatility
Video In/Out for connecting various cameras, external monitors and recording devices

Display
due to detachable control unit

Editable Files & Folder Structure
for easy documentation without computer



Optimal Illumination
Separate and continuous illumination control via two slidebars

Huge Storage Capacity
80 GB internal SSD memory for numerous recordings and quick processing

Independent as never before
Operation up to 5 hrs with optional battery



● Our most Popular Tank- and Pipe Cameras

The MATRIX E3 is optimized for inspections in combination with the proven SNK 60x tank camera and the Revolver 80 pipe camera. Use auto-rotation and position memory for accurate inspection and documentation. The large pan-tilt range of the SNK 60x and the endless 360° rotation of the Revolver 80 allow for complete all-round visibility in large cavities. Separately controllable illumination, zoom and image optimization features provide the best possibility for significant results and defect detection.



WIDE FIELD OF AP VARIOUS CONNECT

● Flexible Endoscopes for Precise Inspection of Components

Record digital images and videos with borescopes and fiberscopes. Save your inspection footage to the MATRIX E3 80 GB SSD hard drive, where you can edit and comment the files.





Dye Penetrant and Cleanliness Testing

In combination with our UV inspection cameras UVIN and SNK Ultra 365, the MATRIX E3 is ideal for cleanliness testing and documenting surface inspections with fluorescent media. Whether large containers or small pipes, with the MATRIX E3 and these standard 365 nm cameras, nothing stands in the way of your UV inspection.



**APPLICATION DUE TO
ION POSSIBILITIES**

Sword Probe for Steam Generator Inspections

Combined with the VUFLEX special videoscope, you can also inspect applications that are difficult to access, such as tube bundles and tube aisles of steam generators in nuclear power plants or of industrial heat exchangers. The MATRIX E3 helps you to precisely document and save every step of your inspection.



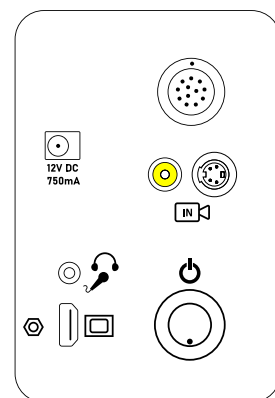
CHANGES, THAT ARE VISIBLE



Measuring 10.4", the VUSCREEN is the largest touchscreen on the market of inspection systems. Its PPE compatibility, the shock resistant housing, the intuitive joystick control and numerous image editing options are now joined by an enlarged color space, increased luminance of 850 cd/m² and a higher resolution of 1,440 x 1,080 px. Benefit from even brighter and clearer inspection images in particularly natural color representation.

UNBEATABLE FEATURES FOR OPERATION AND DOCUMENTATION

- ✓ Extended control options such as position memory, auto-leveling and separately controlled illumination
- ✓ Image optimization features with brightness and color adjustments
- ✓ Video In: automatic recognition of PAL, NTSC, Composite and S-Video, simple way to connect additional camera systems
- ✓ HDMI Out: Connect external monitors and recording devices
- ✓ Software features such as measurement function, option to blend in reference charts and commentary function via audio or text generator



INDEPENDENT AND MOBILE



Benefit from the new design of the MATRIX E3 transport case with height-adjustable handle and rubber wheels for easy transport. Equipped with a standard 36V battery, you can perform inspections with the SNK 60x for up to 5h before you need an external power supply or have to change the battery. This saves you from costly and problematic cable extensions, especially in critical environments.

You still own an old SNK 40x camera head? No problem! After a simple upgrade, this camera can also be used with the new, battery-operated MATRIX E3.





Technical Data MATRIX E3

Measurements in mm / inch	(W) 540 / 21.26" x (H) 300 / 11.81" x (D) 410 / 16.14"
Total weight (incl. housing)	11.9 kg / 26.23 lbs, excl. power pack
Environmental conditions	Temperature in operation: -15°C to +48°C (5°F to +118°F) Storage temperature: -25° to +65°C (-13°F to +150°F) Relative humidity: max. 95%, non-condensing
AC input	100V (AC) - 240V (AC) 50/60 Hz Max. 250 Watt
Housing	Impact resistant HDPE/HWU Aluminium profile with plastic edge protection
Video input	PAL or NTSC, Composite and S-Video Automatic recognition
Video output	HDMI global standard (1024 x 768 px)
Connections	USB 3.0 12V (DC) / 750 mA AUX out
Memory	80 GB SSD hard drive for videos (MPG, AVI) and images (JPEG, BMP) in high resolution

Technical Data VUSCREEN

Measurements in mm / inch	(W) 320 / 12.6" x (H) 30 / 1.18" x (D) 230 / 9.06"
Total weight (incl. housing)	1.6 kg / 3.3 lbs without cable
Construction	Carbon fiber design with all-round elastometer bumper
Mounting	Integrated mounting on base unit Mobile: shoulder strap
LCD display	Size: 10.4" Resolution: 1,440 x 1,080 px Contrast: 1600:1 Luminance: 850 cd/m²
Operation	Touchscreen incl. five direct access buttons, joystick and slide bars Operable with gloves
Features	Integrated file manager Image manipulation Mirror Rotate Zoom Text generator Audio recording Full screen mode and point marker Adjustable color reference charts Several user profiles Measurement system PTZ- and rotation control via integrated joystick Separately controllable illumination via slide bars

Optional Accessories

Accessory case	Measurements in mm / inch: (W) 550 / 21.65" x (H) 225 / 8.85" x (D) 360 / 14.17"
Protective foil for LCD display	Transparent and easy to apply protective foil with anti-reflective coating. Protects the touchscreen from dirt, scratches, chemical substances, corrosion and damage.
Option AC Powerpack	Measurements in mm / inch: (W) 342 / 13.46" x (H) 100 / 3.93" x (D) 133 / 5.23" Weight: 2.2 kg / 5.1 lbs
SNK / Revolver 80 pack	MATRIX adapter to connect and control SNK and Revolver 80 cameras Measurements in mm / inch: (W) 342 / 13.46" x (H) 100 / 3.93" x (D) 133 / 5.23" Weight: 2.6 kg / 5.7 lbs
Universal 36V battery	Li-Ion 36V 6.0 Ah Storage and operation temperature: -20°C to +50°C (-4°F to 122°F) Measurements in mm / inch: (W) 97 / 3.8" x (H) 76 / 2.99" x (D) 158 / 6.2" Gewicht: 1.3 kg / 2.8 lbs



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FURTHER
INFORMATION

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XPANDING YOUR VU



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