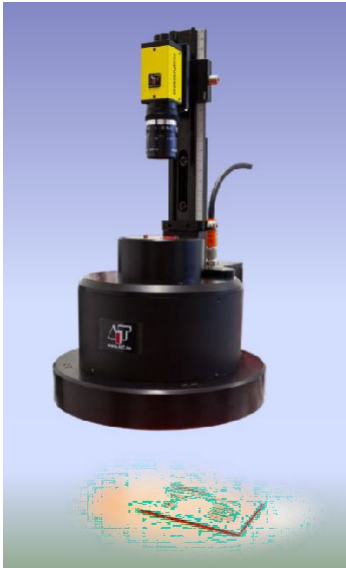
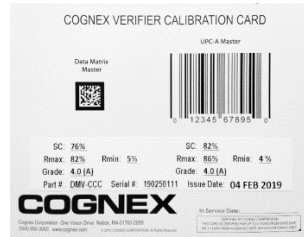




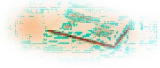
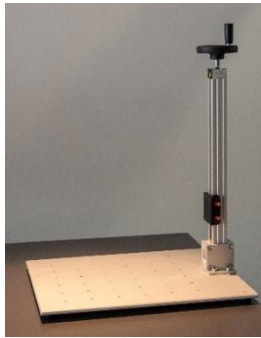
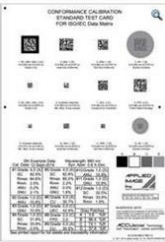
Features of the Verifier Unit:

- Data-Matrix verification for process control according to ISO/IEC 29158:2020 (AIM DPM) and ISO/IEC 15415
- Easy menu-driven software with article management (saving the axis positions, exposure time, etc.)
- Validation of the Data-Matrix code content
- Validation of the Data-Matrix code geometry (size, number of modules)
- Simple PC connection to the evaluation unit via Ethernet TCP/IP
- Logging (PDF) of the verification results with image, individual quality values and defects
- Logging of results in CSV file
- Applicable to a variety of parts especially directly marked parts

Measuring unit:	
• High resolution camera system In-Sight 8402 with 1600x1200 pixels • Flexible controllable illumination units (Dome light with integrated coaxial light and 4 quadrants illumination module 30°)	
Controller:	
• Connection to camera and illumination • Connection to the PC and network via RJ45 plug	
Software:	
• User and menu-guided software • Simple article parameterization and system calibration • High-performance verification based on the new ISO 29158:2020 standard • Clear result displays and report generation • (Optional) Control of the automatic z-axis	
Calibration card:	
• Contains both types of calibration target symbols • Can be used to calibrate any tester • Contains only master grade symbols and no intentionally produced "conformance check symbols" with low grades.	

Technical specifications	
Image sensor	1600x1200 Pixel
Illumination	Dome light with integrated coaxial light and 4 quadrants illumination module 30°
Wavelength of the illumination	660nm (Light color: Red)
Type of code	2D Data-Matrix (ECC200)
Min. module size	0,2mm
Image section (optional other)	32x24mm ²
Communication	Ethernet
Supply voltage	110V- 230V AC, 50Hz
Number of network connections TCP/IP, RJ45	2
Number of network connections TCP/IP, RJ45, PoE	1
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-30°C to 80°C (-22°F to 176°F)
Air humidity in operation and storage	25% to 80% non-condensing
Certifications (CE, UL, FCC)	Yes

System requirements for the software
Minimum (applies to PCs connected to a single In-Sight vision system) • Intel® Celeron® 1000M with 1.8 GHz (or equivalent processor) • 2 GB available RAM • 4 GB available hard disk space • Video card with a resolution of 1280 x 768 at 24-bit color depth. A DPI display setting of 96 DPI is required • Network card (100 Mbps minimum) for connection to In-Sight vision systems • Windows 10/11 Recommended (for PCs connected to up to four In-Sight vision systems) • Intel® Core™ i7 core CPU with 2,7 GHz (or equivalent processor) • 4 GB available RAM • 8 GB available hard disk space • Video card with a resolution of 1920 x 1080 at 32-bit color depth. A DPI display setting of 96 DPI is required • Gigabit network card for connection to In-Sight systems

Order information		
Item no.	Description	Image
111121	AIT EasyID Verifier Unit* for easy and fast verification of the quality of Data-Matrix codes according to ISO TR 29158:2020 (AIM DPM-1-2006) and ISO 15415. Includes high-resolution Cognex ID system with 1600x1200 pixels. Compact illumination unit consisting of dome, on axis and 4 quadrant illumination LED red. Software for verifying, validating DMC code, operating and logging, controller unit with 2 Ethernet TCP/IP ports, 110V-230VAC, max. 5A *PC not included	 
111157 (optional)	AIT EasyID Verifier Unit stand, 350x400mm² base plate with hole pattern M6 stand height 400mm. Height adjustable via hand crank. Incl. quick mounting for AIT EasyID Verifier Unit (Item no. 111121)	
111158 (optional)	AIT EasyID Verifier Unit Transport Case 610x520x350mm³ (LxWxH) for AIT EasyID Verifier Unit (Item no. 111121) and stand (Item no. 111157)	
042461 (optional)	The testing card contains conformance test symbols in the form of data matrix symbols with intentional errors to verify the reporting functions of the tester and document conformance.	
000187 (optional)	Maintenance flatrate Mechanical check, electrical check and software update	